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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #93839 Memphis, TN

PERIOD: HOURLY 1/73-12/82
DAILY 9/51-12/82

JOB NO. 72006

DATE August 1984

PREPARED BY
NAVAL OCEANOGRAPHY
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COMMAND
NETL MS 39529



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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCDD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO. OR SUMMARY 93839	STATION NAME Memphis, Tennessee	LATITUDE 35°21'N	LONGITUDE 89°52'W	STATION ELEV (FT) 322	CALL SIGN KNQA	WMO NUMBER			
STATION LOCATION AND INSTRUMENTATION HISTORY									
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office, main deck operations building	Navy	1949	1960	35°21'N	89°52'W	295	Mercurial	24
2.	Moved within weather office	"	1960	1968	"	"	"	"	24
3.	Replacement installed	"	1968		"	"	"	"	24
1a.	Weather service office	"	1960		"	"	"	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop control tower	3 cup		67.3'	1. Barograph
1a.	"	" " "	Selsyn	Triple	68.9'	2. Auto-met station (AN/GMQ-29)
2.	"	" " "	AN-UMQ-5	RD-108	67.3'	3. Ceiling light (ML-121)
3.	1953	1500' 350° from ops bldg, N-Z	AN/UMQ-5C	"	12'	4. Cloud height set (AN/GMQ-13B)
4.	1958	Same as above	"	"	8'	5. Transmissometer (AN/GMQ-10C)
	1962					6. Wind Measuring set (AN/GMQ-5C)
		* Survey date unknown.				

NOCD, Federal Building
Asheville, NC

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

STATION: MEMPHIS, TN PERIOD: 51-71 YEARS: ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	111.1	5.3	41.1	5.6	17.1	.5	49.7	45.5	17.6	1.4		55.6	1111
FEB		8.7	40.8	1.3	11.1	.4	46.2	42.1	12.6	.5	.8	57.1	711
MAR		17.3	44.5	.6	5.5	1.9	47.1	35.3	35.6	.2	1.4	52.6	1111
APR		22.5	46.7	.1	.4	.3	45.2	22.1	23.		.7	49.4	1111
MAY		22.7	42.3			.9	42.3	22.1	19.7		.3	51.5	1111
JUN		24.0	35.8			.4	36.1	22.4	45.2		.1	52.5	1111
JUL		30.0	32.2			.7	39.2	47.5	55.2		.2	35.1	1111
AUG		21.3	32.8			.2	32.1	54.1	64.2		.4	22.7	1111
SEP		11.9	33.6			.1	33.6	54.1	53.2		.4	45.2	1111
OCT		5.9	26.4		.1		26.4	43.5	46.7			50.4	1111
NOV		7.0	27.2	.1	3.3	.2	32.5	41.6	43.1			54.7	1111
DEC		6.0	42.4	1.6	7.5	.2	45.3	24.3	26.2	.7	.2	58.2	1111
TOTALS		14.2	39.6	.8	3.7	.5	40.2	43.4	44.8	.2	.5	59.5	11117

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WEATHER CONDITIONS

73-79
STATION

MEMPHIS, TN
STATION NAME

73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	07	.6	9.7	1.6	4.2		15.2	71.3	5.5	.5		24.2	717
	07	.5	10.3	1.5	5.8	.3	16.5	71.0	5.7	.7		24.7	717
	06	.3	6.7	2.3	4.5		14.5	22.6	6.1	.5		26.5	717
	00		10.0	1.0	6.5		16.5	29.3	15.5			40.3	717
	12	1.0	10.3	1.0	4.8		15.5	20.7	16.5			33.9	717
	17		9.7	1.0	3.5		13.6	14.6	15.7	.7		22.4	717
	19	.6	9.7	1.0	2.3		12.5	17.1	13.7			22.7	717
	21	1.6	9.7	1.3	2.9		13.2	17.1	9.4			22.2	717
TOTALS		.6	9.8	1.4	4.3	.3	14.7	22.2	18.5	.2		25.9	2497

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WEATHER CONDITIONS

STATION MEMPHIS, TN STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	01	.7	7.4		3.2		10.3	17.2	15.2	.3	.4	24.5	100
	02	.4	8.9		2.1		10.3	21.2	7.4		.4	24.6	100
	03	1.3	9.9	.4	3.2		10.4	22.3	8.4		.4	24.6	100
	04		5.7		4.3		10.3	23.1	20.5		.7	45.2	200
	05	1.4	6.7	.7	3.3		10.7	13.4	30.5		.7	41.5	200
	06		8.2	.4	2.1		2.4	11.3	24.7		.4	27.2	200
	07	.4	6.3	.7	2.1		2.4	11.1	22.7		.4	33.7	200
	08	2.1	10.4	.7	2.2		14.5	17.2	17.2	.4	.4	24.1	200
TOTALS		.9	7.9	.4	3.1		10.7	17.2	15.2	.1	.5	34.1	225

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WEATHER CONDITIONS

STATION NAME: MEMPHIS, TN STATION NAME: 73-P2 YEARS: MAP NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00	1.9	8.7		.6		9.4	11.6	3.7			14.9	710
	03	2.3	8.4		.6		8.7	14.8	8.8	.3		19.4	310
	06	1.0	9.0		.6		9.7	23.9	11.6		.3	30.6	710
	09	1.0	10.0		1.0		10.6	16.5	21.7		.3	35.8	710
	12	1.6	8.1		1.0		9.0	4.7	19.4		.6	26.9	310
	15	1.3	7.0		.3		9.4	8.1	16.6		.3	23.5	710
	18	2.6	11.6		.3		11.9	9.7	14.5		.3	23.2	310
	21	4.2	12.0	.3	1.0		13.7	11.0	6.3			17.1	710
TOTALS		2.0	9.7	.0	.7		10.3	13.3	12.4	.7	.2	23.8	2480

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4

WEATHER CONDITIONS

53679
STATIONMEMPHIS, TN
STATION NAME73-92
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	2.7	10.3				10.3	7.0	4.7			11.0	307
	03	3.7	11.0				11.0	12.3	4.7			16.3	307
	06		9.7				9.7	24.3	11.7			33.0	300
	09	1.3	8.7				8.7	8.7	19.3			26.3	300
	12	1.0	7.7				7.7	8.3	13.7			20.7	300
	15	1.3	8.3				8.3	4.3	11.3			15.7	300
	18	4.0	9.7				9.7	5.3	12.0		.3	17.0	300
	21	3.7	8.0				8.0	5.3	10.7			15.0	300
TOTALS		2.2	9.2				9.2	9.6	11.0		.0	19.4	2400

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WEATHER CONDITIONS

STATION

MEMPHIS, TN

STATION NAME

73-92

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	9.8	8.7				8.7	11.3	16.8			25.5	710
	03	3.5	8.1				8.1	22.7	18.1			35.8	710
	06	2.6	10.6				10.6	35.5	33.9			59.4	310
	09	1.6	7.7				7.7	10.6	38.1			46.5	310
	12	2.3	8.1				8.1	5.2	28.4			12.6	710
	15	2.3	7.4				7.4	5.8	25.8			29.7	710
	18	3.5	6.8				6.8	6.5	22.9			27.1	710
	21	4.2	7.4				7.4	9.0	20.0			25.8	710
TOTALS		3.1	8.1				8.1	11.8	25.5			35.3	2980

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WEATHER CONDITIONS

57839
STATION

MEMPHIS, TN
STATION NAME

72-47
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	2.3	4.3				4.3	10.3	24.7			30.3	247
	03	3.0	5.0			.3	5.0	17.3	20.7			32.0	200
	06	.7	5.7				5.7	32.3	44.3			64.0	300
	09		4.3				4.3	7.3	49.3			53.0	300
	12	1.7	5.0				5.0	2.3	37.3			39.3	240
	15	3.3	5.3				5.3	1.3	26.7			28.0	240
	18	3.3	4.7				4.7	2.7	30.3			32.7	300
	21	1.3	3.3				3.3	4.3	29.7			33.0	300
TOTALS		2.0	4.7			.0	4.7	9.7	32.9			39.2	2400

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WEATHER CONDITIONS

STATION

MEMPHIS, TN

STATION NAME

73-82

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00	2.9	4.2			.3	4.2	15.8	34.2			41.6	710
	03	1.0	2.3				2.3	27.1	32.6			47.1	710
	06	2.3	3.2				3.2	42.7	40.3			45.8	710
	09	1.0	3.2				3.2	7.4	40.0			65.8	710
	12	2.6	4.2				4.2	1.6	47.4			48.4	710
	15	2.9	3.9			.3	3.9	.3	41.9			41.9	710
	18	7.1	5.2				5.2	1.0	41.0			41.0	710
	21	2.6	3.9				3.9	7.7	43.2			47.4	710
TOTALS		2.8	3.7			.3	3.7	13.8	45.1			52.3	2407

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WEATHER CONDITIONS

93872
STATION

MEMPHIS, TN
STATION NAME

73-87
YEARS

806
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00	1.3	3.2				3.2	26.1	35.5			40.7	71.0
	03	1.9	3.5				3.5	40.0	31.3			55.5	71.0
	06	1.6	6.1				6.1	62.9	43.9			81.8	71.0
	09	1.3	5.3				5.5	11.6	59.4			66.8	31.7
	12	4.2	5.5				5.5	4.2	46.5			49.7	31.0
	15	4.2	5.2				5.2	2.9	38.4			41.0	31.0
	18	1.0	3.9				3.9	4.5	41.6			44.6	31.7
	21	1.0	1.6				1.6	11.0	42.3			48.4	31.7
TOTALS		2.1	4.4				4.4	20.6	42.4			50.7	208.7

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WEATHER CONDITIONS

STATION 73-92 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	.7	4.0				4.7	27.7	27.7			43.3	300
	03	1.7	7.0				7.0	35.3	24.7			49.3	300
	06	1.0	8.0				8.0	38.0	39.0			76.0	300
	09	.7	9.7				9.7	14.3	49.0			58.7	300
	12	1.7	7.3				7.3	4.7	39.7			43.0	300
	15	.7	4.7				4.7	5.0	37.7			42.0	300
	18	1.7	8.3				8.3	5.0	43.7			49.0	300
	21	1.0	4.3				4.3	17.0	33.3			43.3	300
TOTALS		1.2	6.7				6.7	21.3	36.9			50.0	2400

NAVWEASERVCOM

WEATHER CONDITIONS

STATION 47379 MEMPHIS, TN STATION NAME 73-02 YEAR OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	00	.3	5.5				5.8	10.0	12.0			27.4	110
	01	.3	7.7				7.7	10.0	11.0			28.5	110
	06	.3	7.1				7.1	40.1	26.2			54.0	110
	09	.6	6.1				6.1	11.0	34.5			43.0	110
	12	.3	5.2				5.2	5.0	23.0			27.4	110
	15	.3	4.5				4.5	2.9	17.1			19.4	110
	18	1.0	4.5				4.5	5.0	21.0			26.1	110
	21	.6	5.5				5.5	5.0	14.0			17.0	110
TOTALS		.5	5.5				5.8	12.0	19.9			29.0	2475

NAYWEASERVCOM

WEATHER CONDITIONS

STATION

MEMPHIS, TN

STATION NAME

73-82

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01	.3	11.3				11.3	16.0	7.7			22.3	100
	02	1.7	11.7		.3		12.0	19.3	7.7			25.0	100
	03	1.3	11.7		.3		12.0	20.0	13.0			34.0	100
	04	.3	10.3		.3		10.7	21.3	26.0			44.3	100
	05	.7	10.7		.3		11.0	16.3	20.7			34.3	100
	06		9.7		.3		9.0	13.3	20.7			30.7	100
	07	.3	8.0		.3		9.3	14.0	17.3			27.7	100
	08	1.0	10.0				10.0	15.7	10.0			23.0	100
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
TOTALS		.7	10.3		.3		10.5	17.6	15.3			30.2	2400

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00	.6	9.1	.3	1.0		10.4	14.2	7.4			13.1	720
	01	.3	10.7	.6	.6		11.7	14.2	6.2			13.4	720
	02		10.6		.6		11.3	21.6	7.4			25.7	710
	03	.3	10.3		1.3		11.6	21.9	23.5			41.6	710
	04	.3	9.7		.6		10.3	13.9	19.0			31.6	710
	05	.3	9.7		.6		10.3	11.9	18.1			29.0	710
	06		11.7		1.6		12.3	12.9	18.1			30.4	309
	07	.7	11.1		.3		11.1	14.7	10.7			22.6	307
TOTALS		.3	10.4	.1	.3		11.3	16.2	13.7			27.3	2474

NAVWEASERVCOM

WEATHER CONDITIONS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.6	9.8	1.4	4.3	.0	14.7	22.5	10.0	.7		73.9	2400
FEB		.9	7.9	.4	3.1		10.9	17.2	19.5	.1	.5	34.1	2254
MAR		2.0	9.7	.0	.7		10.3	13.3	12.4	.7	.2	23.2	2487
APR		2.2	9.2				7.2	9.4	11.0		.0	19.4	2437
MAY		3.1	8.1				8.1	13.4	25.5			35.3	2422
JUN		2.2	4.7			.0	4.7	9.7	32.4			30.2	2400
JUL		2.8	3.7			.1	3.7	13.3	45.1			42.5	2437
AUG		2.1	4.4				4.4	21.4	42.4			54.7	2400
SEP		1.2	6.7				6.7	21.3	36.9			40.6	2400
OCT		.5	5.2				5.2	12.5	19.9			29.0	2472
NOV		.7	10.3		.2		10.5	17.8	15.3			30.2	2422
DEC		.3	10.4	.1	.8		11.3	16.2	13.7			27.3	2474
TOTALS		1.5	7.6	.2	.5	.0	8.4	15.5	23.4	.2	.1	35.4	29229

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 173-9 MEMPHIS, TN STATION NAME JANUARY 1973-DECEMBER 1982 YEARS JANUARY MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	1.1	.4	2.7	2.3	1.9	8.1			25.2	2.7	10.5	.6		59.9
NNE	5.5		3.1	.8	.8	5.5			15.7	.8	12.6			67.7
NE	5.5	.8	5.0	4.1	3.3	7.4			18.2	.6	9.1			65.3
ENE	11.3	3.3	2.5	2.5	3.8	2.5			23.8	1.3	13.8			57.5
E	7.1	1.8	4.8	1.8	.6	3.0			20.8	3.0	8.9			63.7
ESE	7.1	3.5	4.7	2.3	2.3	2.3		1.7	20.9	3.5	9.3			57.0
SE	8.7	1.9	1.9	1.9	2.9	2.9			14.4	1.0	7.7			65.4
SSE	10.5	4.2	.7		.7			.7	16.1	1.4	7.0			67.8
S	4.4	6.3	.6			.6		3.4	12.1	1.7	12.6			70.1
SSW	7.0	3.0	1.0			1.0		2.0	15.0		10.0			68.0
SW	5.6	1.9	2.8					.9	21.7	.9	9.4			66.0
WSW	7.1	3.1	3.1				1.0	1.0	19.8	1.0	8.3			68.8
W		2.9	1.4			4.3		1.4	7.9		11.4	2.1		75.1
WNW	4.4	1.0	2.9		1.0	4.8			20.0		5.7	1.0		71.4
NW	4.4	.6	1.1	.6	.6	5.5			18.2	.6	8.8			71.8
NNW	4.4	2.0	3.4	3.4	1.0	8.3			27.8		7.3			62.4
VARIABLE														
CALM	3.4	.7	4.9	1.4	.7	.3		.3	20.3	3.4	7.0			70.3
TOTAL	137	50	70	33	26	90	1	15	475	35	229	6		1650
% TOTAL	5.5	2.0	2.8	1.3	1.0	3.6	.0	.6	19.2	1.4	9.2	.2		66.5

TOTAL NUMBER OF OBSERVATIONS 2,460

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION MEMPHIS, TN JANUARY 1973-DECEMBER 1982 MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWN SMOKE	WINDY SMOKE	WINDY HAZE
N	7.5	1.1	1.1	1.1	4.5	5.7		1.1	24.2		23.2			46.6
NNE	6.9	1.7	1.7		.9	6.9		.9	22.4		21.6			55.2
NE	7.8	1.0	2.0	1.0	1.0	2.0		1.0	19.6	1.0	24.5			60.9
ENE	11.3	2.6	2.8						14.1	4.2	21.1			57.7
E	4.5	.6	1.2	.6	.6	1.2		.6	14.7	.6	16.6			65.0
ESE	15.4	2.2	3.3			1.1		1.1	20.9	2.2	11.0			57.0
SE	6.6	2.8	2.8			.9		.9	5.4		11.3			73.8
SSE	5.6	6.6	2.8			.9		.9	5.5	.9	14.2			63.2
S	1.3	1.9	1.4					.5	14.4	1.0	14.4			68.8
SSW	7.4	1.7	.8		.9			1.7	10.2	.8	26.3			57.6
SW	4.0	3.4						4.0	12.6		16.1			65.5
WSW	2.0					2.6			10.6		10.3			74.4
W	1.0	.9	.9	1.0		2.8		1.8	12.8	.9	13.8			63.8
WNW	1.0	3.0	1.0	1.0	1.0	5.0			12.9		19.8			64.4
NW	.7	.7	2.0			7.9			11.1	.7	15.8			61.2
NNW	5.0	1.5	1.5		1.5	3.6			17.5	1.5	18.2	1.5		58.4
VARIABLE														
CALM	1.0	1.0	1.0			1.0		1.0	14.4	5.3	12.6			75.0
TOTAL	170	39	34	5	19	50		19	361	28	390	2		1324
% TOTAL	4.7	1.7	1.5	.4	.8	2.6		.8	18.0	1.2	17.3	.1		61.8

TOTAL NUMBER OF OBSERVATIONS 2,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-7 DECEMBER 1982

YEARS

MARCH

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIR	THUNDER	FOG	ICE FOG GROUND FELT	SALT HAIR	BLOWING HAIR	WINDY HAIR	WINDY HAIR
N	4.3	3.7	3.7	.5		2.1		1.6	14.7	.5	14.7	.5		63.8
NNE	7.0	1.9	3.8		1.0	1.0		1.7	11.5	1.0	7.6			71.4
NE	5.7	2.3			1.1	1.1		2.3	14.4	1.1	5.7			73.4
ENE	5.5	7.8						1.3	10.4		16.9			64.9
E	9.1	5.0	.5		.5			1.4	16.2	2.3	12.6			65.3
ESE	6.1	5.3	1.5					2.3	15.3	.3	7.5			68.6
SE	1.5	7.8						3.4	14.3	2.3	9.3			69.9
SSE	7.1	5.3	2.7					3.2	13.4	.5	8.6			69.7
S	7.4	4.1	1.6					1.9	7.8		13.3			72.2
SSW	2.1	3.2						1.3	4.3	1.3	13.4			72.6
SW		3.1	2.1					2.1	7.4	1.1	17.9			64.2
WSW	4.1	5.3	1.3					4.0	6.7		12.0			73.3
W	1.0	3.3	.8					3.3	7.3		7.3			67.7
WNW	.1	1.9				2.8		.4	10.4		6.6			62.1
NW	4.0	2.8	1.4		.7	.7		1.4	10.3		9.0			72.4
NNW	7.2	5.6	.8		.4	4.7		2.4	14.4		13.6			66.4
VARIABLE														
CALM	1.4	4.5						4.4	16.4	1.5	11.4			75.1
TOTAL	110	100	31	1	5	15		49	306	23	275	1		1757
% TOTAL	4.4	4.0	1.3	.0	.2	.6		2.0	12.3	.9	11.1	.0		76.8

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

73-2
STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

APRIL

MONTH

NO. OF OBS.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	7.2	5.3	2.6					1.8	17.5		8.8			67.5
NNE	4.3	3.5	.9					1.7	10.4	.9	4.3			80.9
NE	7.6	3.5	1.7					4.3	10.4	.9	13.0			67.0
ENE	12.3	1.8						2.6	15.8	.9	7.0			73.7
E	2.3	4.4	1.1					1.0	7.7	1.1	7.1			75.8
ESE	9.2	6.7	1.7					5.0	11.7	1.7	6.7			69.7
SE	4.3	7.1	.7					2.8	11.3	.7	6.4			73.8
SSE	4.1	4.7	1.0					2.1	7.8	.5	13.5			73.1
S	1.5	3.2	1.4					3.6	5.0		14.3		.4	75.7
SSW	.9	2.5	.6					.6	7.2		17.8			73.9
SW	1.7	2.5						1.7	4.2		23.5			67.2
WSW		4.7						3.5			4.7			87.1
W	2.2	2.5	1.7					.8	7.6					97.4
WNW	3.2	4.0						4.0	7.1		4.0			85.9
NW	1.2	5.3	4.5					1.8	12.5		8.0			76.8
NNW	4.0	3.7	2.4					1.2	13.4		9.8			72.0
VARIABLE														
CALM	1.2	1.4	1.4						7.1	5.5	7.4			85.2
TOTAL	113	89	28					53	204	23	235		1	1817
% TOTAL	4.3	3.7	1.2					2.2	8.5	1.0	9.8		.0	75.7

TOTAL NUMBER OF OBSERVATIONS

2,470

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION
MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.4	4.8	.7					4.1	11.6	1.4	21.8			66.7
NNE	5.3	4.2						3.4	8.5	.8	31.4			59.5
NE	6.9	2.2	.7					.7	15.6	.7	25.9			56.3
ENE	3.4	5.4	.9					3.6	13.4	1.8	22.3			59.8
E	2.2	4.4	.4					2.5	16.7	1.8	23.3			60.4
ESE	5.5	5.8	1.9					1.9	13.6	.6	20.1			61.7
SE	2.4	3.2						1.3	7.0	2.5	24.7			64.6
SSE	2.4	4.7	.6					5.9	8.9	3.0	16.6			68.6
S	2.4	5.0	.4					3.2	9.0	.4	26.1			59.7
SSW	3.0	2.3						1.5	5.4		29.2			58.5
SW	2.4	4.9						3.9	8.8		32.4			54.9
WSW		1.6						4.8	3.2	1.6	25.8			64.5
W	1.4	5.8	1.3					4.8	8.7		19.2			56.7
WNW	1.7	6.7	1.7					3.3	10.0		13.3			66.7
NW	6.3	9.4						4.7	10.3		23.4			57.8
NNW	3.3	9.8	1.1					5.4	12.0	1.1	15.2			65.2
VARIABLE														
CALM	1.4	1.3						3.2	14.7	4.7	27.8			56.7
TOTAL	47	107	12					77	285	46	602			1508
% TOTAL	3.3	4.3	.5					3.1	11.5	1.9	24.3			67.8

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 4431-04231 MEMPHIS, TN STATION NAME JANUARY 1973-DECEMBER 1982 YEARS JUNE MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.7	2.8						4.9	11.9	1.4	23.1			61.5
NNE	3.4	1.7						.8	8.4		22.7			66.4
NE	2.6								6.4		26.9			69.7
ENE		1.2						1.2	4.8	1.2	32.5			55.4
E	3.4	3.9						2.8	10.7	2.8	36.5			50.0
ESE	1.6	4.8							7.9	3.2	37.3			50.0
SE	2.6	3.3	.7					1.3	7.9	1.3	28.9			58.6
SSE	.5	2.2						.6	6.6	1.7	38.1			54.7
S	2.1	2.4						2.4	7.2	.7	32.2			58.9
SSW	1.7	2.8						1.7	6.1	.6	32.2			60.6
SW	1.2	4.8	.6					3.6	1.8		34.3			54.8
WSW	1.1	4.3						3.3	5.4		27.2			59.8
W	1.9	3.8					1.0	3.5	1.0		17.1			74.3
WNW		4.7						8.7	8.7		21.7			69.6
NW		4.1	1.4					1.4	13.7		24.7			61.6
NNW			2.4					1.2	14.3	3.6	34.5			52.4
VARIABLE														
CALM	4.7	1.3						.1	18.9	2.0	31.9			55.8
TOTAL	4	68	5				1	47	204	29	738			1401
% TOTAL	1.7	2.8	.2				.0	2.0	8.5	1.2	30.8			58.4

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 9 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 JULY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.6	1.8						3.6	14.3	3.6	40.2			43.9
NNE	1.0	3.9						3.9	5.8	1.9	51.5			36.9
NE	1.7	2.5						2.5	3.0	1.7	43.7			45.4
ENE		1.9	1.0						15.4	1.0	36.5			44.2
E	2.2	3.8						5.4	12.9	1.1	33.9			46.2
ESE	.7	1.5						.7	11.2	3.7	40.3			43.3
SE		3.6						2.2	9.8	2.2	29.2			57.7
SSE		2.1						2.7	14.4	2.1	29.5			55.5
S		6.0						4.0	11.2	2.4	40.0			40.4
SSW		1.1						1.1	6.3	2.6	48.9			42.1
SW	.6	2.4						2.4	7.1	4.7	38.2			44.7
WSW								2.6	3.4		37.6			47.7
W	1.1	5.5						6.3	5.5	.8	30.7			43.3
WNW	1.4	1.4					1.4	2.7	1.4		26.0			61.6
NW		5.8					1.9	5.8	11.5		40.4			38.5
NNW	1.5	7.0						3.5	14.0	1.8	52.6			33.3
VARIABLE														
CALM		1.2						1.5	14.9	1.4	58.7			45.7
TOTAL	22	69	1				2	69	270	73	955			1106
% TOTAL	.9	2.8	.0				.1	2.8	10.9	2.9	38.5			44.6

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 4431-54251 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 MONTH AUGUST

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.5	1.5	1.0					.5	17.6	2.5	39.7			29.7
NNE	2.2	1.5							13.4	.7	38.1			45.5
NE	.9	4.2	.8					1.7	9.3		32.2			52.5
ENE	1.1	6.6	1.1					2.2	11.0	2.2	35.2			38.5
E	1.7	2.6	.9					2.2	21.2	10.4	34.6			31.6
ESE	1.1	2.5	.6					.6	21.7	8.9	33.8			38.2
SE	1.3							1.9	9.7	6.5	30.3			51.7
SSE	1.4	2.7	.7					4.1	12.8	3.4	29.1			52.7
S	1.5	2.5	.5					2.5	8.8	3.9	32.8			55.4
SSW	2.7	2.7						2.7	8.1	.7	30.4			50.7
SW	2.2	3.0						1.5	6.7	2.2	28.1			50.4
WSW	1.1	2.2						1.1	3.3		34.8			47.8
W		7.5						8.6	5.4	1.1	38.7			40.9
WNW	2.5	5.0						10.0	7.5	2.5	32.5			55.7
NW	2.4							5.1	7.7	2.6	38.5			51.3
NNW	2.6	5.1	1.3					5.1	15.4		43.6			35.9
VARIABLE														
CALM	1.4	1.0						.2	24.2	13.4	34.0			33.0
TOTAL	33	62	10					51	374	132	864			1072
% TOTAL	1.5	2.5	.4					2.1	15.1	5.3	34.8			43.2

TOTAL NUMBER OF OBSERVATIONS 2,485

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 4331 84321 4 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.1	1.7	.7					1.7	9.6	3.6	24.8			57.4
NNE	2.7	2.3	.6					1.1	12.0	1.1	26.3			57.7
NE	5.1	2.2	1.5					1.5	7.4	.7	28.7			59.8
ENE	5.5	2.4						.9	15.9	4.0	31.0			43.7
E	5.2	1.7						1.3	20.7	7.2	29.1			42.6
ESE	1.7	3.8						1.5	17.4	3.8	36.4			36.4
SE	2.2	6.5						1.1	15.2	3.3	15.2			56.5
SSE	2.0	5.1						2.6	15.4	1.7	25.6			53.4
S	4.5	4.5	.7					1.5	12.7		35.1			51.5
SSW	1.1	6.3						2.1	18.9	3.2	29.5			47.4
SW		3.1	1.6						7.8		32.9			50.0
WSW	2.1								10.5	2.6	23.7			44.7
W	10.7	5.1							5.1		41.0			35.7
WNW	4.1	4.1	2.0						14.3		26.5			46.9
NW		5.3						1.3	25.3		22.7			51.3
NNW	4.1	5.4	1.5					1.5	14.5	3.8	30.0			43.8
VARIABLE														
CALM	1.7	.4	.4					.2	20.3	9.0	35.4			34.3
TOTAL	51	67	12					27	414	96	712			1129
% TOTAL	2.4	2.8	.5					1.1	17.3	4.0	29.7			47.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 4431-04821 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 OCTOBER MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.4	2.7	1.2					.8	10.5	1.2	13.7			71.9
NNE	4.7								3.7	1.9	16.3			76.6
NE	8.4	1.2							9.4		18.1			71.1
ENE	2.6	2.6	2.6						9.0		17.9			71.8
E	3.5	.9	.5						9.0	5.7	19.9			64.9
ESE	3.0	1.9	.6					.6	9.4	5.7	18.9			64.8
SE	4.5	2.6						1.3	9.6	6.4	18.6			66.5
SSE	1.2	2.4	1.2					1.2	4.1	3.5	21.2			66.5
S	7.7	2.7						1.6	10.9		21.9			61.7
SSW	5.2								5.7		24.3			57.4
SW	1.2		1.2						5.9		11.8			71.8
WSW	8.0	4.0						2.0	14.0		14.0			68.0
W	3.7	1.2						1.2	4.9		4.9			84.1
WNW		1.5							9.2	1.5	9.2			81.1
NW	2.2		4.3						10.5	1.1	10.9			75.1
NNW	5.5	.9	.9						11.0		8.3			77.1
VARIABLE														
CALM	4.4	4.2							9.6	9.6	16.3			64.2
TOTAL	94	36	15					12	221	90	411			1712
% TOTAL	3.9	1.4	.6					.5	8.9	3.6	16.6			69.1

TOTAL NUMBER OF OBSERVATIONS 2,475

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 9 MEMPHIS, TN STATION NAME JANUARY 1973-DECEMBER 1982 YEARS NOVEMBER MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0.9	.4	3.1		.4			.4	28.4		17.8			57.3
NNE	5.2	.8	3.3		.8	.8		.8	18.9		24.6			56.6
NE	12.6	1.8	.9			.9		.9	17.1	1.8	13.5			65.8
ENE	12.3	9.2	1.5					4.6	23.1	1.5	12.3			58.5
E	9.3	2.4	1.8						23.5	.6	12.0			62.7
ESE	6.0	5.3	3.0						20.3	3.8	9.8			63.2
SE	8.7	6.7	.7					.7	10.0	1.3	11.3			68.0
SSE	8.7	1.4	1.4					1.4	12.3		13.0			69.6
S	4.7	5.3	.4					2.0	14.3	.8	18.9			60.2
SSW	4.5	5.2	1.5					1.5	17.2	.7	18.7			59.7
SW	2.1	2.6	3.9						14.3		13.0			67.5
WSW	6.3	3.1	1.5						15.4		10.8			73.8
W	4.5	1.8	2.7						20.9	.9	11.8			70.0
WNW	2.7		1.0						9.9	1.0	8.9			81.2
NW	4.7							.9	11.9		3.7			83.5
NNW	4.7		3.9		1.0	1.0			20.5		6.9			72.5
VARIABLE														
CALM	1.1	.3	.3						11.3	2.0	15.2			75.1
TOTAL	144	511	79		3	3		17	405	23	335			1597
% TOTAL	6.2	2.5	1.6		.1	.1		.7	16.9	1.0	14.0			66.3

TOTAL NUMBER OF OBSERVATIONS 2,400

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1431 MEMPHIS, TN JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE ON GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0.0	1.2	1.6			2.4		.8	20.3	.8	11.6			65.7
NNE	2.2								16.3	1.1	25.3			62.0
NE	1.1	1.5	1.5					1.5	20.4		13.2			54.4
ENE	2.3		4.9						14.8	1.6	13.1			63.9
E	13.4		3.7	.6					20.7	2.4	12.8			64.0
ESE	13.3	2.7	2.7						22.1	1.8	9.7			66.4
SE	13.4	4.1							12.2	1.2	10.5			68.7
SSE	7.6	1.5	1.5	.5					17.1	1.0	13.6			68.2
S	3.7	2.6	.4					.7	7.1		13.0			72.9
SSW	2.0		1.4						7.8		10.6			80.9
SW	3.8								10.5	1.0	10.5			72.4
WSW	5.5	1.4	2.7					1.4	12.3		6.8			79.5
W	4.0		3.7			3.7			9.2		11.0			76.1
WNW	4.4	3.5	6.2			.9		.9	22.1		9.7			66.4
NW	4.1	.8	1.6			2.5			15.6		7.4			77.9
NNW	7.0	.7	4.0	.7		3.3			21.2		11.3			64.7
VARIABLE														
CALM	4.4		1.8			.7		.4	16.2	1.8	11.8			71.7
TOTAL	177	71	49	3		21		8	381	20	293			1720
% TOTAL	7.7	1.3	2.0	.1		.8		.3	15.4	.8	11.8			69.5

TOTAL NUMBER OF OBSERVATIONS 2,474

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

75.9
STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

ALL

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.3	2.0	1.6	.4	.7	1.9		1.5	18.0	1.5	20.1	.1		59.5
NNE	4.5	1.8	1.1	.1	.3	1.2		1.2	12.3	.8	23.7			61.0
NE	7.7	2.0	1.3	.5	.5	1.0		1.4	13.0	.8	22.0			62.8
ENE	5.5	3.7	1.2	.2	.3	.2		1.4	14.2	1.7	22.4			56.8
E	5.4	2.7	1.1	.2	.1	.3		1.6	16.3	3.5	21.3			56.9
ESE	5.7	3.8	1.5	.1	.1	.2		1.2	15.7	3.4	21.0			56.0
SE	4.5	4.2	.5	.1	.2	.2		1.4	10.6	2.5	17.5			64.7
SSE	4.4	3.5	1.1	.1	.1	.1		2.1	10.9	1.6	19.0			64.0
S	3.0	3.8	.6			.0		2.3	9.6	.8	22.7		.0	63.0
SSW	2.4	2.5	.4		.1	.1		1.3	8.9	.8	25.2			60.7
SW	2.5	2.7	.8					1.9	8.5	1.1	24.3			59.5
WSW	2.5	2.5	.8			.2	.1	2.1	8.5	.3	18.9			65.4
W	2.5	3.3	1.1	.2		1.0	.1	2.8	5.3	.3	15.3	.2		69.4
WNW	2.2	2.9	1.5	.1	.2	1.5	.1	1.9	11.9	.3	13.2	.1		71.4
NW	2.9	2.5	1.6	.1	.2	2.1	.1	1.2	15.4	.3	14.1			68.3
NNW	4.4	3.1	2.1	.6	.4	2.4		1.3	17.9	.9	18.0	.1		60.2
VARIABLE														
CALM	1.4	.7	.7	.1	.1	.1		.3	17.4	6.4	23.2			37.6
TOTAL	1130	776	376	45	53	187	4	444	3900	618	6039	9	1	17863
% TOTAL	3.9	2.7	1.0	.2	.2	.6	.0	1.5	13.4	2.1	20.7	.0	.0	61.2

TOTAL NUMBER OF OBSERVATIONS

29,208

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WCCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	14.6	14.6	2.7	5.2	4.1	7.7	5.4	5.2	3.4	.4				33.4	961	4.17	10.24	.03
FEB	4.6	1.3	2.7	4.9	4.6	6.8	5.3	5.1	4.1	.5				31.4	876	4.27	9.22	1.45
MAR	11.1	12.0	1.4	3.7	4.7	7.7	6.7	6.2	4.7	.6				35.1	961	5.10	7.37	.67
APR	11.7	11.1	1.3	6.5	3.8	4.9	6.8	7.4	3.9	.9				35.3	930	5.39	12.31	1.25
MAY	5.6	11.4	1.7	4.6	2.7	5.1	5.0	5.6	4.7	.7				31.6	961	4.96	11.71	.05
JUN	6.6	1.2	1.7	5.3	2.2	5.7	4.1	3.8	3.7	.2	.1			27.6	930	3.60	9.27	.41
JUL	1.6	2.3	1.7	5.7	2.2	5.9	4.7	4.7	2.8	.2				29.9	961	3.53	6.49	.07
AUG	6.7	2.9	1.1	4.7	2.5	3.4	4.2	4.1	2.7	.5				23.6	930	3.09	7.40	.15
SEP	6.7	2.9	.7	4.5	2.3	4.0	2.1	3.5	3.8	.6				23.5	960	3.64	9.49	.17
OCT	7.7	2.6	1.4	3.3	2.0	3.2	4.3	3.3	1.6	.2				19.5	961	2.34	6.29	.07
NOV	4.6	1.4	1.0	4.2	2.0	5.3	5.3	4.5	4.0	.3				28.3	960	4.05	9.56	1.25
DEC	11.4	1.3	1.3	5.3	3.2	6.9	4.9	5.1	2.9	1.5				31.8	992	4.95	13.71	.88
ANNUAL	6.7	1.7	1.6	4.8	3.4	5.5	5.1	4.7	3.7	.5	.0			29.7	11353	4.15		

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION MEMPHIS, TN YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.0	1.0	1.7	1.2	1.7	.2	.7	.5	.1					6.1	931	2.9	13.0	.0
FEB	1.0	1.4	.6	1.8	.7	.1	.1	.1						3.4	876	1.3	8.0	.0
MAR	1.0	1.4	.4	.7	.4	.2	.1		.1					2.2	761	1.1	14.0	.0
APR	1.0	.0													930	TRACE	TRACE	.0
MAY	1.0	.1													961	TRACE	TRACE	.0
JUN	1.0	.0													930	.0	.0	.0
JUL	1.0	.0													961	TRACE	TRACE	.0
AUG	1.0	.0													930	.0	.0	.0
SEP	1.0	.0													930	.0	.0	.0
OCT	1.0	.1													961	TRACE	TRACE	.0
NOV	1.0	.0	.1	.1	.2									.4	960	.7	2.4	.0
DEC	1.0	.0	.4	.1	.4		.1		.1					1.1	992	.8	13.0	.0
ANNUAL	1.0	.7	.3	.4	.7	.3	.0	.0	.0	.0				1.1	11322	6.3		

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4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	.1	.	6.7	1.6	.	1.2								2.9	911				
FEB	.7	4.4	1.5	1.0	.5		.1	.1						2.2	876				
MAR	.1	1.4	.5	.2		.1	.1							1.0	861				
APR	1.0	.														771			
MAY	1.0	.														771			
JUN	1.0	.														771			
JUL	1.0	.														771			
AUG	1.0	.														771			
SEP	1.0	.														771			
OCT	1.0	.														771			
NOV	.9	.	.1											.1	867				
DEC	.7	1.1	.5	.2		.1	.1	.2						1.1	892				
ANNUAL	.7	1.0	.7	.2	.1	.1	.1	.2						1.1	11323				

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME: MEMPHIS, TN YEARS: 51-3

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2	1.13	1.21	1.99	.98	1.14	.61	.21	1.21	1.65	2.01	1.13	2.66	2.74
3	1.44	2.01	1.88	3.21	2.66	3.18	3.48	.09	.09	.41	1.11	2.45	2.75
4	2.16	1.91	.43	1.42	1.50	.51	.25	.77	1.27	.34	.45	2.16	2.16
5	.57	1.86	1.54	2.34	1.80	2.37	.99	.46	.75	.54	1.27	.58	3.66
6	3.56	2.23	1.75	.96	1.14	1.32	1.74	.86	.22	.56	1.37	.92	3.66
7	2.22	1.17	.85	2.70	1.94	1.62	1.36	1.34	1.39	2.39	2.56	2.26	2.75
8	1.57	2.17	1.64	1.97	1.47	1.31	.86	1.06	1.84	.60	1.44	.64	2.17
9	1.37	3.65	1.19	.66	.28	.51	2.04	.69	1.07	.88	1.22	2.75	3.65
10	1.37	.50	.67	1.35	1.71	1.17	1.10	1.20	1.72	1.65	2.31	1.46	2.71
11	.62	1.50	1.45	2.21	3.87	1.19	.91	.23	.86	.36	2.75	3.34	3.87
12	2.75	2.46	1.44	1.93	.52	1.16	1.56	1.14	2.54	.39	.33	.37	2.98
13	.20	1.08	1.10	.85	3.16	1.53	1.01	.84	.64	.32	.81	2.61	3.16
14	1.15	1.03	3.44	2.14	.91	1.39	1.55	2.80	1.14	.82	1.03	2.36	3.44
15	2.17	4.84	1.51	.97	1.16	1.79	1.43	1.09	2.70	.35	.86	.32	4.84
16	1.34	1.47	.23	1.34	1.26	.21	.76	2.78	2.42	.43	.92	2.53	2.78
17	.67	.60	1.34	1.19	1.77	1.54	2.08	.65	.91	1.55	.60	2.16	2.16
18	.97	.96	3.16	2.31	.93	.66	.49	.28	.92	.67	1.95	1.05	3.16
19	.71	.51	1.76	.89	.63	.23	.71	3.58	.42	.52	2.07	2.71	3.58
20	.57	1.30	2.32	3.17	1.88	3.40	1.26	1.46	2.46	1.45	.69	1.10	3.40
21	.79	2.67	.87	2.75	2.38	1.34	1.16	1.79	1.61	.59	.67	3.41	3.41
22	.64	1.03	1.24	1.12	.94	.91	1.59	3.06	2.83	1.35	1.63	3.02	3.06
23	2.61	1.24	1.01	4.77	1.85	.55	2.05	.69	1.69	.56	2.64	1.44	4.77
24	1.04	2.32	.95	2.44	3.59	5.38	.96	1.92	.80	1.21	1.05	.85	5.38
25	1.64	1.77	3.89	.59	1.54	.49	1.35	.90	1.52	1.07	1.57	1.19	3.89
26	1.05	2.77	1.37	1.04	1.23	1.65	1.36	.10	1.73	1.54	1.49	.77	2.77
27	.84	.99	2.35	1.05	1.86	.92	.54	1.33	3.03	.44	1.50	1.76	3.03
28	.07	.45	1.77	.66	2.44	1.37	.95	2.52	2.76	.76	1.47	2.90	3.07
29	1.05	1.55	2.43	4.22	3.15	1.74	1.16	.45	2.67	1.10	2.45	2.87	4.22
30	.24	.23	2.75	1.43	1.24	1.54	1.77	.42	1.26	1.97	2.40	1.42	2.75
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

— 2 —

MEMPHIS, TN

51-62

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

957 7946464721

PRECIPITATION
(FROM DAILY OBSERVATIONS)

51-9?

STATION NAME

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

1979 MEMPHIS, TN 51-32
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4	2.3												2.3
5	1.0												1.0
51	1.3												1.3
57													
54		2.0										2.1	2.1
60		1.1											1.1
62	9.4	2.5	1.5									4.0	9.4
61													
62	2.1											1.0	2.1
63	1.2											1.0	1.2
64	1.5												1.5
65	.7	6.4	1.6										6.4
66	3.6											1.0	3.6
67	.7	.0											.3
68	4.6	1.0	6.0										4.0
69	.3	1.0	.7										1.0
70	4.5	.3	.3									1.0	4.5
71	.3	2.0	2.5								2.4		2.5
72	1.5	.2											1.5
73	4.6												4.6
74	1.0												1.0
75	.9	.0	2.0										2.0
76	.0	.0	.0								1.0	.4	1.0
77	6.2	.0	.0										6.2
78	2.0	2.1	.0										2.1
79	2.5	2.1	.0										2.5
80	1.0	.0	.0										1.0
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
1779	MEMPHIS, TN	51-87

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
7-19	MEMPHIS, TN	51-82

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION 7339 STATION NAME MEMPHIS, TN YEARS 51-57

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

SNO: DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1009	MEMPHIS, TN	51-52

DAILY SNOW DEPTH IN INCHES

[illegible]

SMOS

EXTREME VALUES

STATION

MEMPHIS, TN

51-52

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]**SMOS**

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1939 MEMPHIS, TN
STATION STATION NAME

1952-1992 YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.77	20	1972	0.77	19	1979
2	1.15	30	1966	0.6	15	1977
3	1.37	35	1982	1.0	25	1974
4	1.37	35	1957	1.5	38	1972
5	0.22	26	1967	9.4	239	1967
6	0.53	21	1981	6.2	157	1977
7	0.02	77	1978	4.6	117	1973
8	1.2	33	1978	0.1	3	1973
9	0.1	53	1965	3.5	89	1977
10	0.74	77	1974	2.3	58	1954
11	0.57	14	1977	0.9	23	1978
12	0.4	12	1982	4.9	124	1982
13	0.4	21	1977	4.6	117	1968
14	1.0	41	1954	1.7	33	1968
15	0.15	45	1958	7	17	1965
16	0.01	41	1978	0.7	18	1965
17	0.77	15	1969	1.6	15	1977
18	0.1	33	1956	1.0	25	1955
19	0.02	25	1979	1.7	43	1978
20	0.72	40	1984	1.4	36	1977
21	0.71	51	1973	0.5	13	1966
22	0.08	76	1962	3.6	91	1966
23	1.04	37	1953	1.8	46	1956
24	0.77	45	1978	1.2	30	1966
25	1.77	35	1978	3.2	81	1966
26	0.15	20	1967	7	17	1979
27	0.22	56	1957	7	17	1979
28	1.07	26	1957	2.0	51	1966
29	3.66	93	1956	2.0	51	1966
30	0.33	13	1968	1.0	25	1987
31	1.04	27	1953	1.0	25	1987
Monthly	3.66	93	1956	9.4	239	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.70	33	1977	0.2	5	1978
2	1.23	46	1956	0.5	13	1977
3	0.00	13	1982	0.2	5	1972
4	1.00	25	1955	7	17	1982
5	1.04	47	1955	1.1	28	1959
6	1.03	26	1977	2.1	53	1979
7	1.24	31	1973	1.7	43	1979
8	1.77	45	1982	4.4	112	1987
9	1.40	36	1966	1.0	25	1982
10	1.06	42	1953	7	17	1981
11	4.03	123	1965	7	17	1981
12	1.16	29	1971	1.0	25	1971
13	3.05	78	1959	7	17	1971
14	2.32	59	1974	2.0	51	1954
15	1.43	36	1956	1.0	25	1969
16	1.01	49	1954	7	17	1980
17	2.00	69	1976	2.1	53	1979
18	0.72	20	1974	1.0	25	1967
19	1.03	40	1954	7	17	1964
20	1.71	43	1955	7	17	1974
21	2.67	68	1971	2.1	53	1978
22	1.20	30	1959	7	17	1971
23	1.04	42	1962	7	17	1969
24	1.11	28	1979	6.4	163	1965
25	1.17	30	1957	1.4	76	1979
26	2.46	62	1962	7	17	1953
27	2.22	56	1962	7	17	1982
28	0.47	12	1979	7	17	1964
29	0.05	1	1968	0.5	13	1968
30						
31						
Monthly	4.03	123	1965	6.4	163	1965

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION MEMPHIS, TN

1950-1982

STATION

STATION NAME

YEARS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.24	31	1972	0.0	20	1981
2	1.77	45	1978		7	1981
3	2.63	62	1979	2.4	61	1971
4	.44	17	1964	1.4	41	1965
5	0.70	18	1961	1.5	38	1965
6	1.4	37	1961	1.0	25	1967
7	0.1	21	1958	0.5	13	1967
8	1.27	32	1976		7	1967
9	2.64	67	1964	1.0	25	1975
10	1.34	47	1952	1.5	38	1967
11	1.10	28	1963			
12	1.08	29	1975	0.2	5	1977
13	1.75	44	1956	1.3	25	1975
14	1.10	28	1953	2.0	51	1975
15	0.7	20	1973			
16	1.07	50	1980			
17	1.3	36	1953		7	1980
18	0.74	32	1952		7	1981
19	0.1	18	1979	1.0	25	1965
20	0.1	40	1968			
21	1.74	39	1955	3.2	81	1969
22	1.08	48	1953	8.0	203	1968
23	0.70	45	1969	3.6	91	1968
24	0.7	16	1972		7	1971
25	0.2	33	1965	2.5	64	1971
26	1.11	28	1967			
27	0.74	77	1975			
28	1.2	31	1975			
29	0.12	54	1981			
30	1.4	37	1962			
31	0.1	31	1952			
Monthly	1.78	99	1975	8.0	213	1968

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	4.22	107	1979			
2	1.7	43	1987			
3	2.7	69	1957			
4	0.58	25	1952			
5	1.3	46	1964			
6	1.71	33	1955			71
7	0.76	19	1974			
8	1.34	35	1982			
9	1.1	26	1981			
10	0.72	20	1955			
11	1.46	42	1979			
12	2.34	67	1955			
13	1.3	36	1987			
14	1.07	45	1958			
15	0.71	56	1961			
16	4.1	104	1982			1982
17	0.83	21	1982			
18	0.80	23	1969			1983
19	4.77	121	1977			
20	1.08	27	1965			
21	1.73	34	1974			
22	2.44	62	1974			
23	3.08	78	1979			
24	1.79	35	1953			
25	3.17	81	1973			
26	1.03	26	1966			
27	0.77	23	1964			
28	1.47	39	1954			
29	3.21	82	1957			
30	1.73	49	1962			
31						
Monthly	4.77	121	1977			1982

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1930

MEMPHI, TN

1 52-1042

STATION

STATION NAME

YEARS

MAY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.9	48	1977			
2	1.0	38	1954			
3	1.1	83	1979			
4	1.7	45	1953			
5	0.2	6	1967			
6	1.0	27	1961			
7	1.4	72	1972			
8	1.1	38	1975			
9	1.4	37	1952			
10	1.4	16	1968			
11	1.0	53	1957			
12	1.1	30	1971			
13	1.1	24	1957			
14	1.1	35	1967			
15	1.14	27	1956			
16	1.6	69	1977			
17	1.1	15	1957			
18	1.2	31	1953			
19	1.1	13	1976			
20	1.5	13	1955			
21	1.1	19	1955			
22	1.56	48	1957			
23	1.14	26	1963			
24	1.1	60	1971			
25	1.1	87	1963			
26	1.31	6	1963			
27	1.0	46	1955			
28	1.2	27	1976			
29	1.2	16	1977			
30	1.4	38	1981			
31	1.4	31	1974			81
Monthly	1.5	57	1961			81

J

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.6	17	1977			
2	1.74	44	1979			
3	1.1	16	1957			
4	1.2	6	1981			
5	1.14	54	1981			
6	1.1	137	1974			
7	1.1	2	1974			
8	1.1	3	1963			
9	1.1	13	1959			
10	1.0	15	1955			
11	1.1	78	1953			
12	1.34	34	1971			
13	1.4	26	1977			
14	1.37	6	1955			
15	1.27	58	1977			
16	1.31	53	1967			
17	1.2	7	1964			
18	1.37	22	1976			
19	1.1	26	1957			
20	1.4	39	1967			
21	1.37	35	1974			
	1.33	3	1974			
	1.18	43	1967			
24	1.4	39	1981			
25	1.5	42	1974			
26	1.2	46	1955			
27	1.17	3	1967			
28	1.0	23	1957			
29	1.2	21	1976			
30	1.11	2	1976			
31						
Monthly	1.5	137	1974			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1939

MEMPHIS, TN

1960-1992

STATION

STATION NAME

YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4	10	1966			
2	0.4	10	1960			
3	0.4	10	1976			
4	0.4	10	1972			
5	0.4	10	1967			
6	0.4	10	1971			
7	0.4	10	1952			
8	0.4	10	1977			
9	0.4	10	1967			
10	0.4	10	1975			
11	0.4	10	1954			
12	0.4	10	1963			
13	0.4	10	1963			
14	0.4	10	1965			
15	0.4	10	1965			
16	0.4	10	1964			
17	0.4	10	1950			
18	0.4	10	1921			
19	0.4	10	1977			
20	0.4	10	1981			
21	0.4	10	1952			
22	0.4	10	1952			
23	0.4	10	1974			
24	0.4	10	1971			
25	0.4	10	1965			
26	0.4	10	1973			
27	0.4	10	1976			
28	0.4	10	1967			
29	0.4	10	1976			
30	0.4	10	1952			
31	0.4	10	1976			
Monthly	0.4	10	1952			

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.3	8	1972			
2	0.7	18	1964			
3	1.0	25	1971			
4	1.2	30	1979			
5	1.2	30	1952			
6	0.6	15	1962			
7	1.0	25	1965			
8	0.0	0	1965			
9	0.0	0	1967			
10	0.4	10	1974			
11	1.12	28	1966			
12	2.7	69	1966			
13	1.1	28	1982			
14	1.3	33	1957			
15	0.0	0	1964			
16	1.1	28	1962			
17	0.0	0	1966			
18	0.0	0	1962			
19	0.5	13	1954			
20	1.20	30	1960			
21	3.5	91	1969			
22	3.0	76	1972			
23	0.7	18	1952			
24	0.2	5	1972			
25	0.5	13	1952			
26	0.2	5	1981			
27	0.7	18	1965			
28	0.9	23	1959			
29	2.2	56	1975			
30	2.14	54	1962			
31	0.6	15	1956			
Monthly	3.5	91	1969			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION MEMPHIS, TN
STATION NAME

1951-1982

YEARS

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1970			
2	0.1	2.5	1951			
3	0.1	2.5	1970			
4	0.1	2.5	1976			
5	0.1	2.5	1973			
6	0.1	2.5	1973			
7	0.1	2.5	1954			
8	0.1	2.5	1976			
9	0.2	5.1	1975			
10	0.4	10.2	1970			
11	0.2	5.1	1965			
12	1.0	25.4	1967			
13	0.7	17.8	1973			
14	1.0	25.4	1957			
15	0.7	17.8	1967			
16	1.7	43.2	1971			
17	0.2	5.1	1968			
18	0.2	5.1	1966			
19	1.0	25.4	1958			
20	0.1	2.5	1979			
21	1.0	25.4	1957			
22	1.1	28.0	1965			
23	1.7	43.2	1980			
24	0.3	7.6	1977			
25	1.0	25.4	1962			
26	0.1	2.5	1971			
27	1.0	25.4	1977			
28	1.1	28.0	1977			
29	0.3	7.6	1977			
30	1.0	25.4	1966			
31						
Monthly	0.1	2.5	1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1970			
2	0.7	17.8	1951			
3	0.2	5.1	1979			
4	0.7	17.8	1966			
5	0.1	2.5	1976			
6	0.6	15.2	1967			
7	0.9	22.9	1967			
8	1.0	25.4	1967			
9	0.4	10.2	1977			
10	0.1	2.5	1958			
11	0.2	5.1	1977			
12	0.4	10.2	1956			
13	1.4	35.5	1977			
14	0.7	17.8	1967			
15	0.3	7.6	1966			
16	2.0	50.8	1957			
17	0.2	5.1	1961			
18	1.2	30.5	1972			
19	0.5	12.7	1977			
20	0.3	7.6	1967			
21	0.2	5.1	1971			
22	1.1	28.0	1979			
23	0.12	3.0	1967			
24	1.0	25.4	1976			
25	1.5	38.1	1976			
26	0.7	17.8	1979			
27	1.0	25.4	1966			
28	1.21	30.7	1974			
29	0.4	10.2	1976			
30	1.0	25.4	1977			
31	0.1	2.5	1961			
Monthly	0.2	5.1	1981			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1939 MEMPHIS, TN 1951-1982
STATION STATION NAME YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4	10	1972			
2	0.6	15	1961			1951
3	1.0	25	1961			
4	0.52	13	1959			
5	0.7	18	1963			
6	1.0	25	1972			1959
7	0.5	13	1957			
8	0.6	15	1965			
9	0.71	18	196			
10	0.2	5	1966			
11	0.1	2	1967			1970
12	0.72	18	1961			
13	1.0	25	1957			
14	0.8	20	196	1.0	25	1970
15	1.0	25	1956			197
16	1.0	25	1978			
17	0.8	20	1957			1951
18	0.2	5	1952			1972
19	1.0	25	1992			1969
20	0.5	13	1973			
21	2.4	61	1979			
22	0.77	19	1961	0.4	10	1957
23	0.77	19	1982	2.4	61	1971
24	1.12	28	1951			1972
25	1.1	28	1979			1982
26	0.4	10	1973			1977
27	0.2	5	1973			1980
28	0.0	0	1968	0.3	8	1976
29	1.7	43	1977			1979
30	0.5	13	1970			1974
31						
Monthly	2.4	61	1971	2.4	61	1971

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.3	8	1962			1940
2	2.1	53	1967			
3	4.6	118	1967			
4	1.6	41	1977			
5	2.4	61	1953			
6	2.2	56	1957			1977
7	2.1	53	1978			1976
8	1.02	26	1972			1978
9	1.41	36	1971			1978
10	2.1	53	1963			1972
11	2.7	69	1950			1972
12	2.2	56	1979	0.7	18	1958
13	0.8	20	1977	2.1	53	1958
14	2.6	66	1961			1970
15	1.0	25	1982			1972
16	3.3	84	1961	0.2	5	1973
17	0.70	18	1967			1944
18	0.70	18	1968			1970
19	0.72	18	1957			1971
20	0.72	18	1951			1977
21	1.0	25	1981	0.3	8	1969
22	1.70	43	1967	1.7	43	1963
23	1.1	28	1979	1.0	25	1966
24	1.4	36	1973	1.0	25	1962
25	2.0	51	1987			1980
26	1.73	44	1982			1960
27	2.53	64	1966			1970
28	2.71	69	1969			1961
29	1.97	50	1969			
30	1.06	27	1964	0.8	20	1976
31	1.14	29	1978	4.0	102	1967
Monthly	4.6	118	1962	13.7	348	1963

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NOCH, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

1919
STATION

MEMPHIS, TN
STATION NAME

51-00
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
1														
2	37				36NE	34W	42NE	35NW	34NW	36SE	53SE	47		
3	40S	34SSW	35E	41SE	39NNW	57NW	38NW	43NNW	28E	25E	55SW	49	45	
4	44W	21SSW	55S	31NW	33WSW	49W	40NW	32NW	35N	42NW	29NNW	30NNW	44 SSW 55	
5	44	37W	40SW	40SW	56SSW	30SE	26NNW	40NNW	29NW	35SW	44NW	46NW	37 SW 57	
6	44W	27	NW	35NNW	38W	33N	42W	38NNW	35NE	27SE	23NW	30NNW	37	
7	39	39	34S	31NNW	42NNW	48SW	38NE	36NW	30NE	22SE	28SW	42NW	47 NNW 48	
8	39	34SW	35SE	34SE	50NW	33W	40N	31NW	28N	34N	29S	33W	27 SE 50	
9	47	47SSW	36S	41SW	32SE	38SE	25NE	52E	36NW	27N	27NW	37N	28 NE 52	
10	35	35SSW	45SE	34W	33WSW	43NNW	42W	36N	51SE	21SW	36SW	36W	37 SW 49	
11	33	33WSW	28NNW	34NW	37SSW	40W	26WSW	37NW	22SW	34N	23SSW	41NNW	38 SSW 41	
12	32SE	43NNW	29S	35S	26S	33NNW	33NNE	31SSW	31N	24NNW	26NW	27	31 SE 43	
13	37N	32S	33SSW	39W	39N	28SW	30	NNW	29NNW	28SE	34W	31	31	
14	35W	35W	29S	39S	34SW	34NE	28S	30NW	35NE	28NNE	29S	31S	27 S 40	
15	40W	41N	33W	45W	30SE	33W	38NE	39NW	30SSW	27SW	23NNW	40SE	32 W 45	
16	40W	23SE	31W	36NW	36N	46NW	35NE	27SE	26WSW	26NW	35NW	32S	29 N 40	
17	43S	38S	27SW	30NNW	30WSW	29N	29NNE	36WSW	23W	27S	25S	38	35 S 43	
18	26NW	27NE	34SE	107N	39WSW	32SW	22W	29S	30SSW	27				
19	41NW	31SE	40E	33WSW	34SW	58NNW	36N	32NNE	23N	33				
20	55W	41E	31W	33WSW	36NNW	26S	32NNW	56NNW	32SE	33SW	26SSW	42SSW	37 NW 56	
21	55E	3223	3536	3609	3626	3906	3905	2622	3125	2922	2726	2623	51 23 53	
22	21	3735	3501	4719	3414	2730	3729	2928	4935	3733	2713	3133	35 28 49	
23	21	3319	3313	4724	4427	5828	4020	3132	3703	2833	3235	3721	45 27 52	
24	22	4223	4030	4721	4330	3636	5836	3532	3525	3402	2519	3920	29 36 58	
25	26	48		44	31	4028	4935	4813	3835	3127	3219	40		
26	21	45									32	3227	33	
27	37	3121	4523	5829	3536	5235	4122	2518	3131	3335	3227	3420	44 23 58	
28	37	3625	3026	3821	3421	4418	4135	3601	4625	2631	2618	2718	21 01 46	
29	34	3235	3414	4219	5424	3232	3032	2427	3333	2614	3137	3616	37 19 54	
30	32	3732	3623	4630	5608	3436	2915	2827	2832	3510	3020	2601	30 30 56	
MEAN														
S. D.														
TOTAL OBS.														

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
19	MEMPHIS, TN	51-97

[illegible]

SMOS

EXTREME VALUES

STATION

MEMPHIS, TN

51-52

STATION NAME

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS JAN
MONTH 01
DATE 01
HOURS (LST) 01
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.6	2.0	.8								7.4	6.4
NNE	2.3	1.6	1.3									5.9	4.4
NE	2.3	1.3	1.0									5.2	4.8
NNE	1.0	1.0	1.3									3.2	5.2
E	2.3	3.5	1.9									8.4	4.8
ESE	1.9	.3	.4	.3								3.2	4.2
SE	1.3	1.6	1.6	.3								4.8	5.7
ESE	1.0	2.6	1.0	.3	.8							5.5	7.2
S	1.0	1.6	1.0	1.9	.3							5.0	8.2
SSW	1.0	1.3	1.0	1.3								4.5	7.1
SW		.6	.6	.6	.3							2.3	10.0
WSW	1.0	.3		.3								2.6	3.9
W	1.3	1.6	2.6	1.3								6.1	7.6
WNW	1.0	.6	.3	.6								2.6	6.5
NW	1.3	2.3	1.3	1.6	.3							6.8	7.5
NNW	1.6	1.4	3.5	1.6								8.7	7.3
VARB													
CALM												17.1	
	24.5	23.2	22.6	11.0	1.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27519 MEMPHIS, TN STATION NAME 73-82 YEAR JAN MONTH
ALL WEATHER CLASS 03 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	2.6	2.3								8.7	7.3
NNE	1.7	1.6	1.6									6.5	5.5
NE	1.7	3.5	.6	.3								5.5	4.8
ENE	.5	1.3	1.3									3.2	5.7
E	2.9	3.5		.6								7.1	4.0
ESE	1.6		.6	.3								2.6	5.0
SE	1.6	1.3	.3									3.2	3.8
SSE	1.6	2.6	2.6	.6		.3						7.7	7.0
S	.3	.3	2.3	1.0								3.9	8.6
SSW		1.3	1.7		.3							2.9	8.3
SW	1.0	.3	1.3	1.3	.3							4.2	9.5
WSW	1.6	.3	.3	.3	.3							2.9	5.7
W	1.0	.6	1.6	1.0								4.2	7.9
WNW	2.6	.6	2.3	1.6								7.1	7.0
NW	1.3	1.9	1.0	.6								4.8	5.9
NNW	2.3	2.6	2.6	2.9								10.3	7.7
VARBL													
CALM												17.1	
	21.9	24.5	22.3	12.9	1.0	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCMD-15, TN STATION NAME 73-82 YEARS JAN
CLASS ALL WEATHER MONTH 06
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	4.2	1.9	.3							12.3	7.7
NNE	1.3	1.9	.7	.3								3.9	5.1
NE	1.3	1.6	1.3	.3								4.5	5.6
ENE	2.3	1.6	.6	.3								4.8	6.7
E	1.2	3.5	1.6									6.4	6.6
ESE	2.6	1.3	.7									4.2	3.2
SE	2.7	1.0	.4	.6								4.5	4.9
SSE	1.0	1.0	1.0	.3								4.2	6.5
S		1.9	1.9	2.3	.3							6.5	9.7
SSW	.6	1.3	1.7	.3								3.5	6.5
SW	1.7	1.3		1.0								3.3	6.7
WSW	.3	1.0	1.3	.6								3.2	6.2
W	2.6	1.3	.3	.6	.3							5.2	5.4
WNW	.6	1.0	1.0									2.6	5.3
NW	1.7	2.9	1.3	1.6								6.8	7.3
NNW	1.3	3.2	1.6	1.9	.6							8.7	7.8
VARS													
CALM												15.2	
	22.9	28.4	19.7	12.3	1.6							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 77-82 YEARS JAN
ALL WEATHER MONTH C9
 CLASS NOON (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.6	4.2	3.2	.6							12.9	8.4
NNE	1.0	1.3	1.3	1.3								5.2	6.6
NE		2.3	1.3									3.5	6.2
ENE	.3	1.0	.6									1.9	5.7
E	1.6	2.3	3.2	.3	.3							8.8	6.6
ESE	1.0	1.6	1.3	.3								6.2	5.6
SE	.6	2.3	2.3	.3	.3							9.8	7.0
SSE		3.2	1.6	1.3	.3							6.5	8.2
S	1.3	1.0	2.9	1.3	.3							6.5	8.0
SSW	.3		.6	1.3		.3						2.6	12.1
SW	1.0	1.3	2.6	1.0								5.8	7.3
WSW	1.0	1.0	1.9	.3								9.2	6.6
W	1.0	2.3	2.9	.3								6.5	6.2
WNW	1.3	.3	2.3	1.3								5.2	7.4
NW	1.0	2.2	4.2	1.6	.3							10.0	7.6
NNW	.3	1.0	3.5	1.6								6.5	8.7
VARBL													
CALM												9.2	
	13.5	26.8	37.4	15.5	2.3	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEAR JAN
CLASS ALL WEATHER MONTH 12
COUNTRY U.S.A. HOURS (L.S.T.) 12

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	3.2	1.6	.3	.3						7.1	12.0
NNE	.7	1.0	2.3	.6	.3							5.2	8.6
NE	1.3	1.6	1.7	.3								4.2	5.6
NNE	.7	1.3	.7									1.9	3.8
E	2.3	3.2	.6	.7								6.5	4.8
ESE	.6	1.3	.6	.6	.3							3.5	3.1
SE	.6	1.9	1.7	.7								4.2	6.2
SSE	.7	1.0	3.2	1.3								5.8	8.8
S	1.7	2.3	1.7	2.6	.6							8.4	9.0
SSW	.6	1.3	1.7	1.0	.3							4.2	9.9
SW		.6	2.3	1.6	.6	.3						5.5	12.2
WSW	1.6	.6	1.3	1.0	.6							5.8	7.9
W	1.7	2.6	2.9	1.3	.3							9.2	7.8
WNW	.6	1.9	1.3	1.0								3.8	6.6
NW	1.9	2.6	3.5	2.3	.3							10.6	8.0
NNW	.6	1.7	4.7	1.3	.3							7.4	9.0
VARIABLE													
CALM												5.8	
	11.9	25.2	33.7	17.1	8.2	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07679 MEMPHIS, TN STATION NAME 73-82 YEAR 1981
MONTH JAN
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.5	5.2	1.9	.6							12.9	9.2
NNE	.6	.3	1.3	.6								2.9	7.0
NE	1.0	1.3	2.3	.6								5.2	6.8
ENE	.3	2.6										2.9	5.0
E	1.9	1.6	.6									4.2	9.2
ESE	1.0	.3	.3	1.0								2.6	7.4
SE	.3		.6	1.9	.3							3.5	11.8
SSE	1.3	1.3	1.3	1.3	.3							5.5	7.4
S	1.3	1.7	2.6	3.9								9.7	8.6
SSW		1.7	1.3	1.0	.3	.6						4.2	11.8
SW	.3	2.6	2.6	1.3	.3							7.1	8.3
WSW	.6	.3	1.9	1.0	1.0							4.8	10.2
W	.6	1.9	2.6	1.7								6.1	7.2
WNW	1.2	.6	1.9	.6								5.2	6.2
NW	1.3	2.3	5.2	1.0	.3							10.5	7.6
NNW	2.3	2.3	3.5	1.6	.3	.3						10.3	7.9
VAR													
CALM												3.2	
	16.5	23.9	33.2	18.7	1.5	1.0						100.2	7.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WENTWIS, TN STATION NAME 73-92 YEARS JAN
MONTH 18
HOURS 11 5 7
ALL WEATHERED
CLASS
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	4.8	2.9	1.0								13.6	5.3
NNE	2.9	1.9	1.3	.3								6.5	4.7
NE	1.2	.6	1.6									5.5	4.5
ENE	2.3	1.6										3.9	3.2
E	2.3	1.3	.3		.3							4.2	4.7
ESE	.6	1.3	.6	.3								2.9	3.8
SE	1.7	.6	.3	1.0								2.9	7.2
SSE	.6	2.5	1.7	.6								5.0	6.7
S	1.9	1.0	1.6	2.9								7.4	8.3
SSW	1.7	2.3	1.7	.6	.3							5.5	6.8
SW	1.7	1.6	1.7									3.5	5.1
WSW	1.3	1.0	.5	1.0			.3					4.2	8.2
W	.6	1.3	.5	1.0								3.5	7.3
WWW	1.6	1.0	.6									3.2	4.2
NW	1.6	.5	1.3	.6	.6							5.2	7.4
NNW	2.6	3.2	1.6	1.0	1.0							9.4	7.1
VARBL													
CALM												12.9	
	27.7	26.8	17.7	10.3	2.3		.3					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

8005

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13070 MEMPHIS, TN STATION NAME 23-22 YEARS JAN MONTH 21 HOURS 11 5 T
ALL WEATHER CLARE
CONDITION

SPEED (KNTS) DRL	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.3	4.2	1.3								10.3	6.7
NNE	2.6	2.9	1.3									6.6	4.5
NE	1.3	2.9	1.3									5.5	5.1
ENE	1.2	1.3	.6									3.9	3.8
E	3.2	1.6	.6	.6	.3							7.1	4.9
ESE	2.3	1.2			.3							4.5	4.9
SE	.6	2.3	.6	1.3								4.2	6.6
SSE	1.6	1.3	1.0	1.3								5.2	6.9
S	1.7	3.5	1.3	1.6	.3							8.1	6.9
SSW	1.0	1.6	.6	1.3	.3							4.9	6.1
SW	1.3	.3	.3	.3								2.3	9.6
WSW	.3	1.3	1.0		.3	.3						3.2	9.0
W	1.3	1.3	1.0	1.3								4.5	6.9
WNW	1.0	1.0	.6	.3	.3							3.2	6.4
NW	.6	.6	1.3	1.3	.3							4.2	8.9
NNW	.6	1.9	1.3	1.0								4.6	7.5
VARBL													
CALM												16.8	
	24.7	26.1	17.1	11.3	2.3	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WETTER, TN YEARS 73-82 MONTH JAN

CLASS ALL WEATHER HOURS (L & T) ALL

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.6	3.7	1.7	.2	.0						10.4	.4
NNE	1.4	1.7	1.4	.4	.0							5.1	5.7
NE	1.4	1.2	1.4	.2								4.4	5.4
ENE	1.1	1.7	.5	.0								3.2	4.7
E	1.4	2.6	1.7	.2	.1							6.8	4.2
ESE	1.4	1.0	.4	.4	.1							3.5	5.4
SE	1.0	1.4	1.0	.2	.1							4.2	6.5
SSE	.3	1.4	1.3	.4	.2	.0						5.3	7.4
S	1.0	1.7	1.3	2.2	.2							7.0	2.4
SSW	.0	1.0	1.0	.2	.2	.1						4.1	5.5
SW	.7	1.1	1.7	.9	.2	.0						4.3	6.3
WSW	1.1	.7	1.1	.6	.3	.5	.7					2.9	7.7
W	1.1	1.5	1.0	.0	.1							5.6	7.1
WNW	1.1	.2	1.3	.7	.0							4.2	6.4
NW	1.1	2.4	2.4	1.3	.3							7.3	7.6
NNW	1.5	2.1	2.7	1.6	.3	.0						8.9	7.0
VARBL													
CALM												11.7	
	27.9	25.8	25.4	13.6	2.3	.3	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2460

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MEMPHIS, TN YEAR 23-22 MONTH FEB
CLASS ALL WEATHER HOUR (LST) 00
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	1.4	3.5	1.0	.4							11.3	5.5
NNE	.7	1.8	2.0	.4	.4							5.7	7.3
NE	.7	1.1	1.4	.4								3.5	6.4
ENE	1.4	1.4	.4									3.2	4.1
E	.7	3.5	.4		.4							9.1	4.3
ESE	2.5	1.4	.4									4.5	1.8
SE	1.2	1.4	1.1	.4	1.1							7.8	5.2
SSE	.7	1.4	.7									2.8	5.5
S	1.1	2.1	2.2	1.1	.7							7.8	7.9
SSW	1.4	1.4	.4	1.8	.4							5.5	7.7
SW			1.4	.7								2.5	10.1
WSW	.9	.4	.4		.4	.9						1.8	12.2
W		1.1	.4	1.9								2.8	9.0
WNW	.4	.7	1.1	.7								2.8	8.1
NW	.7	1.4	1.4	1.1								4.6	7.3
NNW	.7	1.6	1.4	2.5								6.5	8.9
VARBL													
CALM												17.7	
	24.1	22.3	19.9	12.1	3.5	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 77310 MEMPHIS, TN STATION NAME 73-42 YEARS FEB
CLASS ALL WEATHER MONTH 02
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	1.4	3.9	3.2	.4							14.2	6.9
NNE	1.4	1.4	2.1	.4								5.3	5.1
NE	1.1	1.1	1.1	.4								3.5	6.0
ENE	2.5	1.1										3.6	3.3
E	5.3	3.9	.4	.4								9.4	3.6
ESE	2.1	.7	.7									3.5	3.6
SE	.7	.4	.4			.4						1.8	4.8
SSE	2.1	2.8	.7	.4								6.7	5.0
S		2.1	2.8	1.4		.4						6.7	9.1
SSW	1.1	.4	1.1	.4								2.8	6.4
SW	.7	1.8	.7	1.4								4.6	8.2
WSW	.7	.4		1.1	.7							2.8	10.1
W	.7	.7	1.1	.4								2.9	6.9
WNW	.4	.7	1.4	.7								3.2	7.7
NW	.7	1.8	1.4	1.1								5.0	7.7
NNW	1.4	1.4	1.4	1.4								5.7	7.7
VARBL													
CALM												18.4	
	26.2	22.0	19.1	12.4	1.1	.7						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-B2 YEARS FFB
MONTH 06
HOUSE (L.S.T.) 06
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.4	3.5	1.8	.7							12.8	7.1
NNE	1.1	2.1	1.1	1.1								5.3	6.5
NE	1.1	1.4	1.1	.4								3.9	5.5
ENE	1.2	1.4										3.2	3.6
E	5.7	4.6	.7									11.0	3.6
ESE	1.2	2.5	.7									5.0	4.6
SE	2.5	.7	1.1	.7								5.0	5.5
SSE	1.1	2.1	.7	.4	.4							4.6	6.8
S	1.1	1.4	2.1	.7	.4							6.0	7.6
SSW	.4	.7	1.4	.7	.4							3.5	9.6
SW	1.1	.7	1.1	1.4		.4						4.6	8.8
WSW	.4	.4	.4	2.1								3.2	10.2
W	1.1	.4	.7	.4								2.5	6.0
WNW	1.3		.4	1.1	.4							3.5	7.6
NW	1.1	1.4	3.5	1.1								7.1	7.6
NNW	1.1	.7	1.4	1.4								5.0	7.1
VARBL													
CALM												13.4	
	25.5	25.5	19.9	12.8	2.1	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07979 MEMPHIS, TN STATION NAME 73-82 YEARS FEF
MONTH 09
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.5	3.0	3.5								12.1	7.9
NNE		2.1	1.2	1.1								5.0	8.0
NE	1.1	1.1	2.8	.4								5.3	6.4
NNE	.7	1.4	.4	.4								2.8	5.4
E	2.5	3.5	.7									6.7	4.4
ESE	2.1	2.9	1.2									6.7	4.6
SE	.7	3.9	1.1	.4	.4							6.4	6.4
SSE	1.1	2.1	1.5	.4	.7							6.0	7.9
S	1.1	2.5	3.5	1.4	.7							9.2	8.5
SSW	.7	.7	1.1	2.8								5.3	9.9
SW	.7	.4	.4	1.1	.4							2.8	8.8
WSW		.7	1.8	2.1	.4							5.0	10.4
W	1.1	1.4	1.1	.4	1.1							5.0	8.6
WNW	.4	1.4	.7	.7	.4							3.5	8.5
NW	1.8	1.1	2.8	2.5	.7							8.9	8.7
NNW		2.1	.7	1.1								3.9	7.5
VARB													
CALM												5.3	
	16.0	29.2	26.2	18.1	4.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 08979 MEMPHIS, TN STATION NAME 73-82 YEARS PER MONTH 12
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.4	2.8	1.8		.4						7.8	9.6
NNE		1.4	1.1	.7								3.2	7.5
NE	.7	1.4	1.4									3.5	5.3
ENE	1.8	.7	.4	.8								3.2	4.7
E	2.5	1.4	2.5									6.4	4.9
ESE		.7	1.1	.4								2.1	8.0
SE	1.1	1.1	.4	.4	.7							3.5	8.3
SSE	.4	1.1	1.3	1.1								8.3	7.8
S	1.0	1.4	3.2	2.8	1.1	.4						11.3	9.4
SSW	1.4	1.4	1.8	3.5	1.1	.4						9.6	11.0
SW	.4	.4	1.1	3.2	.7							5.7	11.6
WSW	1.1	1.1	1.4	.4	.7							4.6	8.3
W	1.1	1.1	2.4	.4	.4							5.7	7.5
WNW	2.1	1.4	3.0	.7	.4	.4						9.2	8.0
NW	.7	1.1	3.2	2.8	.4							8.2	9.5
NNW	1.4	2.1	1.1	2.8								7.4	8.0
VARBL													
CALM												4.3	
	17.7	19.5	30.5	21.3	5.3	1.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23419 MEMPHIS, TN STATION NAME 73-82 YEARS FEB
MONTH 15
HOURS (LST) 15
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.5	3.9	2.1	.4							9.2	8.6
NNE	1.4	1.4	1.1	.7								4.6	6.0
NE	1.0	1.4	1.4	.4								5.2	5.6
ENE	.7	1.1										1.6	4.6
E	1.1	1.4	.7									3.5	4.7
ESE	.7	.7	1.1									2.5	6.4
SE	.7	1.1	1.8	1.1								4.6	7.5
SSE	.7	1.4		1.4								3.5	8.2
S	.7	1.1	5.3	3.2	1.4	.7						12.4	11.0
SSW	.4	.4	2.6	2.1	1.1							8.7	11.3
SW		.4	2.5	.7								3.5	9.5
WSW	.7	.4	1.4	2.5	.7	.4						6.7	11.4
W	1.6	2.8	1.4	.7	.4							7.1	6.8
WNW		1.4	2.5	2.1	.4							4.4	9.7
NW	1.4	3.2	3.2	1.1								8.9	7.0
NNW	.4	2.1	5.7	1.8	.4							9.6	8.7
VARB													
CALM												4.6	
	12.9	23.0	34.0	19.9	4.6	1.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 262

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97879 MEMPHIS, TN STATION NAME 73-82 YEARS FE6
MONTH 18
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.7	7.9	1.4								14.2	4.1
NNE	2.1	1.1	1.4									5.0	4.6
NE	2.2	1.1	1.4	.4								5.7	5.3
ENE	2.5	1.4										3.9	3.2
E	.7	1.4		.4								2.8	4.9
ESE	.4	.7	1.1									2.1	5.5
SE	1.2	1.4	.7	.4								4.6	5.1
SSE	2.8	1.4	1.1	1.1								4.0	5.8
S	1.3	1.4	7.5	3.5								10.4	8.5
SSW	1.4	1.8	1.1	.7	.4							5.1	7.1
SW	1.8	1.1	1.1	.7								4.6	5.8
WSW	1.4	.7	.4									2.5	3.9
W	3.2	.7	1.8	.7	.7							7.1	4.4
WNW	1.5	.7	1.1	1.1								4.4	4.2
NW	3.5	1.1	1.1	1.1								6.7	5.6
NNW	2.1	1.8	1.4	.7	.7							6.7	7.0
VARBL													
CALM												7.4	
	11.0	24.5	21.7	12.1	1.8							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 287

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27079 MEMPHIS, TN STATION NAME 73-92 YEARS FEB
CLAS ALL WEATHER MONTH 21
CONDITION 21 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	2.3	2.5	1.8								12.1	5.9
NNE	2.5	2.1	1.2	.4	.4							7.1	5.2
NE	3.2	1.1	1.1	.4								5.7	4.7
ENE	1.6	1.1	.7									3.5	3.9
E	3.9	3.2	.7									7.8	3.7
ESE	3.5	1.4	.7	.4								6.3	4.1
SE	1.4	1.4	.7	.4								3.9	5.1
SSE	1.4	.4	1.4	1.1								4.3	6.8
S	2.1	2.1	3.5	1.6								9.6	7.0
SSW	.7	.4	.7	1.1	.4							3.2	9.2
SW	.4	1.9		.4	.4							2.5	8.6
WSW	1.1	.4	.4									1.6	4.6
W	1.2	1.4	.7	.7	1.1							5.7	7.6
WNW	1.4	.7		.4								2.5	4.1
NW	.7	.4	1.8	1.6								4.6	8.9
NNW	.4	1.4	.7	.7	.7							3.9	9.5
VARB													
CALM												16.0	
	31.2	21.6	17.4	11.0	2.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23936 NAME MEMPHIS, TN YEAR 73-82 MONTH FFB

CLASS ALL WEATHER

CONDITION

GROUP (L.S.Y.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	3.5	2.1	.2	.0						11.7	7.1
NNE	1.2	1.7	1.6	.6	.1							5.1	6.5
NE	1.6	1.2	1.3	.3								4.5	5.6
ENE	1.6	1.2	.2	.1								3.1	4.0
E	3.8	3.0	.8	.1	.0							7.2	4.1
ESE	1.6	1.4	.9	.1								4.0	4.7
SE	1.6	1.5	.2	.6	.3	.0						4.7	6.8
SSE	1.2	1.6	1.5	.7	.1							4.7	6.7
S	1.2	1.9	3.5	2.0	.5	.2						9.2	8.8
SSW	.9	.9	1.3	1.6	.8	.2						5.2	9.4
SW	.6	.8	1.1	1.2	.2	.0						3.9	8.9
WSW	.7	.5	.8	1.0	.8	.1						3.5	9.4
W	1.3	1.2	1.2	.6	.8							4.8	7.3
WNW	1.0	.9	1.4	.9	.2	.0						4.5	7.8
NW	1.3	1.4	2.3	1.6	.1							6.7	7.8
NNW	1.0	1.7	1.6	1.6	.2							6.1	8.1
VARS													
CALM												10.9	
	23.1	23.5	23.5	14.9	3.2	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2256

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27019 MEMPHIS, TN STATION NAME 13-82 YEARS MONTH 00
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.9	1.2	1.3								7.1	6.0
NNE	2.6	1.3	1.9									5.8	5.0
NE	1.0	1.9		1.0								3.9	6.5
NNE	.6	1.6	1.7									3.2	5.1
E	5.8	4.3	1.0									11.6	3.6
ESE	1.9	3.2	1.2	.6	.3							7.4	6.0
SE	1.0	1.6	.3	.6	.2							4.8	5.9
SSE	1.0	4.8	1.2	.2		.3						7.7	5.9
S	1.3	2.9	2.2	1.3	.6	.6						9.7	8.7
SSW	.6	1.0	1.0	2.6	.3	.3						5.8	10.7
SW	.2	.3	1.0	.3	.3	.3						2.6	11.0
WSW	1.0		.6	.3								1.9	5.5
W	.6	1.0	1.3	.6		.3						3.9	8.0
WNW	.6	1.0	1.0	.6	.3							3.5	7.9
NW	2.3	1.6	.6	.6	.3							5.3	5.7
NNW	.3	.6	1.6	1.2								3.9	8.9
VARB													
CALM												11.6	
	24.5	29.7	16.1	11.6	2.6	1.0						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 310

BRCS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 23-42 YEARS MAF
CLASS ALL WEATHER MONTH 03
ORIGIN NOISE (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.2	1.6	1.0	.3							7.7	6.8
NNE	1.3	.6	1.9	.6								4.5	7.1
NE	2.3	1.3	.6	.6								4.8	4.9
ENE	1.6	1.3	.3									3.2	3.7
E	5.8	3.2	1.3	.3								10.6	3.9
ESE	3.2	1.6	.6	.3								5.8	4.1
SE	1.9	1.6	.3	1.3								5.2	6.5
SSE	.6	2.6	1.6	2.3	.6							7.7	9.1
S	1.0	2.6	4.2	1.3	.3							9.4	7.6
SSW	.6		1.0	1.9	.6							4.2	11.8
SW	1.0	1.0	.6	.3		.3						3.2	7.1
WSW		.6	1.0	1.7		.3						2.9	10.7
W		1.7	1.0	.3								3.2	6.5
WNW	1.7	.6	2.6	.3	.3							4.8	7.5
NW	.6	1.6	.6	.6								3.5	6.9
NNW	.6	1.3	.6	1.0	.3							3.9	8.7
VARL													
CALM												15.2	
	23.2	25.2	20.0	13.2	2.6	.6						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93035 MEMPHIS, TN STATION NAME 73-22 YEARS 06 MONTH 06
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	1.3	1.6	1.9								7.7	5.5
NNE	1.5	1.0	2.3									4.2	6.1
NE	1.3	1.0	.3	.3								2.9	4.7
NNE	1.3	1.0	.6									2.9	4.7
E	4.2	5.5	1.9	.6								12.3	4.8
ESE	2.3	2.3	1.0	.6								6.1	5.0
SE	3.2	2.3	.6	1.0								7.1	5.0
SSE	1.0	3.2	1.0	1.6	.3							7.1	7.5
S	.6	2.6	3.2	2.3	.3							9.7	8.5
SSW	.3	1.0	1.0	.6	1.3							4.2	11.5
SW	1.0	1.0	1.0	.3		.3						3.5	7.9
WSW		.6										.6	4.5
W	1.3	1.0	2.3	.3								4.8	6.8
WNW	1.0	.6	1.3	.6								3.5	7.8
NW	1.3	1.0	1.3	.3		.3						5.5	6.9
NNW	.3	1.3	2.3	.6								4.5	7.8
VARBL													
CALM												13.9	
	22.9	27.1	22.3	11.3	1.9	.6						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 310

8405

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07349 MONROE, LA STATION NAME 73-82 YEARS 1968 MONTH 09
CLASS ALL WEATHER HOUR (LST) 09
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.6	2.9	1.7	.3							6.8	9.6
NNE		1.0	2.6	.6								4.2	7.7
NE		.6	.6	.6								1.9	3.5
ENE	.3	1.7	1.3									3.7	7.0
E	1.3	3.9	2.3	2.3								10.3	7.1
ESE	.3	1.0	2.6	1.3								5.2	9.9
SE	.7	1.9	3.2	1.3	.3							7.1	8.6
SSE	1.3	2.3	3.5	.6								7.7	6.7
S	.6	2.6	5.2	5.5	1.3	.3						15.5	10.5
SSW	1.0	1.9	1.0	2.6								6.5	9.3
SW		1.9	1.0	1.3								4.2	8.0
WSW		1.3	1.0	1.9		.3						4.5	11.0
W		1.0	1.3	.3	.6							3.2	9.2
WNW		.3	1.3	2.3	.3							4.2	11.2
NW	.3	1.3	2.6	2.3	.6							7.1	9.9
NNW		1.0	2.9	1.3	.3							5.5	9.8
VARBL													
CALM												2.0	
	4.1	24.5	35.8	26.1	3.9	.6						100.5	8.7

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILKES, TN STATION NAME 73-92 YEARS 1960
 CLASS ALL WEATHER NORTH 12
 HOURS (LST) 12
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.3	2.2	1.5								5.4	5.3
NNE	.4	1.5	1.5	.7								3.9	6.4
NE	1.2	.7	1.5	.3								2.6	6.3
ENE	.3	1.3	.5									2.3	5.4
E	.7	1.2	1.5	1.0								4.9	7.3
ESE	1.2	1.5	1.5	1.2								5.5	6.5
SE	1.0	1.2	1.2	1.2		1.2						5.5	9.9
SSE	.2		2.2	1.5	.3							4.8	9.7
S	.7	2.5	4.2	6.8	1.0	1.3						16.9	11.5
SSW	.7	1.0	1.5	4.5	2.3	.7						9.7	13.1
SW		.7	1.2	2.2	.6							4.5	12.1
WSW	.4	1.0	.8	1.5	.3							3.2	9.3
W	1.2	1.5	3.2	1.3	1.0							9.0	6.2
WNW	.5	1.3	1.2	2.6	.3							6.1	9.3
NW	.7	1.2	2.6	2.3	.6	.7						7.1	10.7
NNW		1.2	1.3	2.6	.3							5.2	11.0
VARBL													
CALM												5.3	
	10.3	17.7	29.7	37.6	6.8	2.7						130.0	9.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WHEATON, TN STATION NAME 73-82 YEARS 1954-1955 MAP 15
CLASS ALL WEATHER HOURS (L & T) 15
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.3	1.6	2.6	1.0							7.1	9.6
NNE	.3	1.3	.3	1.3								2.7	9.2
NE	.6	1.3	1.2									3.2	5.5
NNE	.3	1.3	.6	.6								2.2	7.0
E	1.2	1.2	1.6	.3								5.6	5.6
ESE	.6	.3	1.0	1.0								2.9	8.8
SE		1.0	1.6	1.3		.6						4.5	11.4
SSE	.3	2.6	.6	3.9	.3	.3						8.1	10.1
S	.3	1.3	5.2	6.5	1.3	.6						15.2	11.7
SSW	.3	.6	1.9	3.5	.6	1.0	.3					8.4	13.5
SW		1.0	1.6	2.7	1.0		.3					6.1	12.7
WSW	1.0	1.0	1.0	1.0		.3						4.5	8.5
W	.6	1.2	3.5	1.6	.3							7.4	8.8
WNW	.3	1.3	1.0	1.6	.3							4.5	9.3
NW		2.6	2.2	1.3	.3							7.1	8.6
NNW		.3	1.2	2.3	.6							6.5	10.8
VARBL													
CALM												2.9	
	2.4	12.0	29.4	31.0	5.8	2.9	.6					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-62 YEARS 1962 MAP 1E
DATE 1E MONTH 1E HOUR (LST) 1E
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.3	3.9	1.9	.3							10.0	7.3
NNE	.3	1.9	.6	.3								3.2	5.9
NE	1.9	1.6	.3	.6								4.2	5.1
ENE	1.6	1.3	.3									3.2	3.3
E	1.6	1.3	1.3	1.0								5.2	6.1
ESE	1.0	1.6	.3	.3								3.2	5.1
SE	.6	1.6	.3	.6	.3							3.5	7.1
SSE	1.3	1.6	3.2	2.7	1.3	.3						10.0	9.8
S	1.2	3.2	3.2	4.2	1.6	.3						13.9	10.1
SSW	1.0	2.6	1.9	1.0	.3							7.7	7.1
SW	1.6	1.3	.2	1.3								4.5	6.7
WSW	1.0	1.6	.6	.3								3.5	5.5
W	2.3	1.6	.6	1.6								6.2	6.1
WNW	1.3	.3	2.3	.3								4.2	6.5
NW	1.0	2.3	1.9	1.0								6.1	6.7
NNW	1.6	2.9	2.3									6.8	5.5
VARBL													
CALM												4.2	
	22.3	29.4	23.5	16.1	3.9	.6						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 110

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS MAR
CLASS ALL WEATHER MONTH 21
CONDITION 21 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9	1.3	1.3	.3							7.4	7.0
NNE	2.3	1.3	1.6									5.2	4.8
NE	1.9	2.3	.6									4.8	4.4
ENE	2.6	1.0	.3									3.9	3.4
E	4.5	3.5	1.9	.6	.3							11.0	5.0
ESE	2.0	1.2	1.3	.3	.3	.3						6.8	6.7
SE	2.3	1.5	1.3	.6								5.2	5.6
SSE	1.7	1.9	2.9	1.0	.3							7.1	8.0
S	1.6	3.9	3.5	3.0	.3	.3	.3					13.9	9.1
SSW	.6	.3	1.0	1.3	1.0							4.2	10.5
SW	1.0	.3		.6								1.9	5.7
WSW	.6	1.0	.3	1.0								2.9	7.0
W	.6	.3	.6									2.6	5.8
WNW	.6	.6	1.0	.3	.3	.3						3.2	9.6
NW	1.3	1.1	.6	1.0	.3							4.8	7.4
NNW	1.3		1.6	1.3								4.2	8.1
VARBL													
CALM												11.9	
	27.4	22.9	20.2	13.2	5.2	1.0	.3					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

3808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS 1949 MAR 1949
MONTH ALL
CLASS ALL WEATHER
CONDITION ALL
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	2.2	1.7	.3							7.6	7.6
NNE	1.0	1.2	1.6	.4								4.2	6.3
NE	1.2	1.3	.6	.4								3.5	5.5
ENE	1.2	1.2	.7	.1								3.1	4.8
E	1.3	3.3	1.6	.8	.0							9.7	5.2
ESE	1.7	1.7	1.2	.7	.1	.0						5.4	6.1
SE	1.4	1.5	1.1	1.0	.1	.2						5.4	7.4
SSE	.8	2.4	2.1	1.7	.4	.1						7.5	8.4
S	.5	2.7	4.0	4.0	.8	.4	.0					12.9	10.0
SSW	.7	1.0	1.2	2.3	.8	.2	.0					6.3	10.9
SW	.6	.9	.8	1.1	.2	.1	.0					3.8	9.4
WSW	.5	.9	.7	.8	.0	.1						3.0	4.4
W	.0	1.2	1.7	.8	.2	.0						5.0	7.6
WNW	.7	.8	1.5	1.1	.2	.0						4.3	8.6
NW	.9	1.7	1.7	1.2	.3	.1						5.9	8.1
NNW	.5	1.0	2.5	1.3	.2							5.0	6.8
VARBL													
CALM												8.1	
	18.1	24.4	24.0	14.2	3.8	1.4	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2490

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27830 MEMPHIS, TN STATION NAME 73-92 YEARS APP
MONTH NOV
HOURS (L.S.T.) 00
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.3	.3								2.0	5.7
NNE	1.7	1.3	1.3	.7	.3							5.3	6.5
NE	.7	.7	.7	.3								2.3	6.1
ENE	1.7	3.7	1.0									6.3	4.9
E	5.0	3.3	1.7									9.7	3.8
ESE	7.3	1.7		.3	.3							4.7	5.0
SE	2.0	2.7	2.0	.3								7.0	5.3
SSE	1.0	5.0	2.0	2.0	.3							10.3	7.3
S	1.0	4.7	2.3	1.3								9.3	6.9
SSW	.3	1.0	1.3	.3	.3	.3						3.7	9.8
SW	1.3	1.0	1.0	.7	.7							4.7	7.8
WSW	1.0	.7	.7	.3								2.7	5.5
W	1.0	.7	.3									2.0	4.0
WNW	2.0	.3	.3	.3	.3							3.7	5.9
NW	1.0	.3	2.0	1.0	.3							4.7	8.5
NNW	1.7	1.7			.3							3.7	4.8
VARBL													
CALM												18.0	
	24.3	29.3	17.0	8.0	3.0	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72359 MEMPHIS, TN STATION NAME 73-82 YEARS APR MONTH 03 HOURS (L E T) 03

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.3	1.7	1.3								5.7	6.3
NNE		1.3	2.0	.3								3.7	7.6
NE	1.7	1.3	.7	.3								3.3	5.6
ENE	1.7	3.3	1.0	.3								6.3	4.9
E	4.3	5.0	2.0									13.3	4.0
ESE	3.3	1.0	.3	.7								6.3	3.9
SE	1.7	1.3	1.0		.3							4.3	5.4
SSE	.3		2.7	1.0								4.0	9.3
S	1.3	2.3	3.0	3.0		1.0						10.7	9.7
SSW	.7	1.3	1.0	1.0	.7							4.7	9.1
SW	1.0	1.0	.7	.7								3.7	6.7
WSW		.7	1.0	.3		.3						2.3	9.6
W	1.0	.3	1.0	1.7								4.0	8.4
WNW	.7	.3										1.0	2.7
NW	.3	2.0	1.0		.7							4.0	7.8
NNW	1.0	.7	.7									2.3	4.6
VARS													
CALM												20.7	
	23.7	22.3	19.7	10.7	1.7	1.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME IX-82 YEARS APP
MONTH 06
HOURS (L.S.T.) 06
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.3	1.0								3.0	8.9
NNE	1.7	1.0	2.0	.3								4.3	5.9
NE	2.0	1.3	1.7	.7								5.7	5.5
NNE	2.3	2.7	1.3	.3								6.7	4.9
E	3.7	2.7	2.3	.3								9.0	4.8
ESE	3.3	3.3	.3	.3								7.3	4.1
SE	1.7	1.3	1.7	1.3								5.7	6.9
SSE	1.7	2.7	4.3	.7								9.0	6.4
S	.3	3.7	.7	1.3		.7						5.3	8.6
SSW	.3	1.0	2.7	1.3		.3						5.7	9.7
SW	1.0	.7	.7	.3								2.7	6.8
WSW	.3	.3	.3	.7								1.7	8.8
W	.7	.7	1.3	2.3								4.7	9.9
WNW	1.3	1.0	.7									3.0	4.6
NW	1.7	.3	1.3	.3								3.7	5.3
NNW	1.0	.3	.7	.3								2.3	5.9
VARIABLE													
CALM												20.3	
	21.7	23.7	22.0	11.7		.7						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 400

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 52870 MEMPHIS, TN STATION NAME 73-22 YEAR APR MONTH
ALL WEATHER CLASS 09 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	1.0	1.3								3.3	8.3
NNE		.3	1.3	1.7								3.3	10.0
NE	.3	1.3	2.0	2.3								6.0	9.3
ENE	.7	1.7	2.3	.7								5.3	7.1
E	1.3	1.3	4.3	.7								7.7	6.7
ESE	1.0	1.7	1.7	1.0								5.3	8.5
SE	.3	.7	.7	1.0								2.7	8.4
SSE	1.0	2.0	4.0	2.7	.3							10.0	8.7
S	2.0	2.3	4.0	4.0	.3							12.7	8.6
SSW	.3	2.0	3.0	3.0	.3							8.7	9.8
SW		.7	2.0	2.0	1.0	.3						6.0	11.7
WSW	.3	.7	1.0	1.0	.3	.3						3.7	11.3
W	1.3	.7	2.7	1.7	.3							6.7	8.0
WNW	.7	2.0	2.3	1.7								6.7	8.1
NW	.7	1.3	1.0	2.0								5.0	8.1
NNW	.7	1.0	2.0	.7								4.3	7.6
VARBL													
CALM												2.7	
	11.3	20.0	35.3	27.3	2.7	.7						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS APR
ALL WEATHER CLASS 12
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	1.3	2.3								8.3	8.1
NNE	.7	2.0	.7	1.0								4.3	7.1
NE	.7	1.3	1.0	.7	.3							4.0	8.0
ENE	.3	1.3	1.7	.7								4.0	7.7
E	1.3	2.7	1.7									5.7	5.1
ESE	.7	1.3	2.0									4.0	6.5
SE	.3	1.0	2.3	1.0	.3							5.0	8.9
SSE	.3	1.3	2.3	2.7	1.3							7.3	11.2
S	.3	.7	4.3	5.0	2.0							12.3	12.0
SSW		1.0	3.0	3.0	.7	.3						8.0	11.2
SW		.7	4.0	3.7								8.3	10.2
WSW	.3	1.0	1.3	2.7								5.3	10.4
W	.3	2.7	3.0	2.7								8.7	8.9
WNW		1.0	1.0	2.0	1.0							5.0	11.9
NW		2.0	2.3	1.7								4.0	8.9
NNW	.3	1.7	1.0	.7								3.7	7.9
VARB.													
CALM												2.0	
	6.7	23.0	32.7	29.7	5.7	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93070
STATION

MEMPHIS, TN

STATION NAME

73-82

YEARS

APP

MONTH

ALL WEATHER
CLASS

15

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	2.3	1.0								6.0	7.6
NNE	.7	1.7	2.3	1.3								6.0	7.9
NE	.3	1.7	1.3	.7								4.0	6.6
NNE	.7	2.0	1.0									3.7	5.3
E	.7	1.0	1.3	.7								3.7	6.9
ESE	.7	1.0	1.7									3.3	6.4
SE	.3	1.7	1.0	.7	.7	.3						4.7	10.6
SSE	.7	.7	2.7	2.7	1.0							7.7	11.0
S	1.3	6.0	4.0	6.7	.7	.3						17.0	9.6
SSW	.3	1.0	3.0	3.0	.7	.7						8.7	11.3
SW		1.7	1.3	.7	.3							4.0	9.5
WSW		1.0	3.0	3.0	1.0		.3					8.3	11.7
W	.3	1.0	2.7	2.7								6.7	9.2
WNW	.7	1.7	1.3	2.7	.3							6.7	9.4
NW		1.0	2.0	1.3								4.3	8.9
NNW	.7	.7	2.0	1.0								4.3	8.2
VARBL													
CALM												1.0	
	9.3	23.3	33.0	28.0	4.7	1.3	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME MEMPHIS, TN YEAR 1962 MONTH APR
CLASS ALL WEATHER HOURS (LST) 15
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	.7	.7								6.3	5.5
NNE	.7	2.7	2.3	.7								6.3	6.6
NE	.7	5.3	1.3	.7								6.0	5.7
NNE		1.7		.3								2.0	5.5
E	1.3	1.0	1.0	.3								3.7	5.8
ESE	1.3	.7	1.3	1.3								8.7	7.4
SE	1.3	3.0	2.0	1.7	.3							8.3	7.6
SSE		1.3	8.3	1.0								6.7	8.5
S	1.3	3.3	5.3	3.3	.3	.3						13.7	8.6
SSW	1.7	3.7	2.7	.7								8.7	8.2
SW	1.0	4.0	2.3	.3								7.7	6.0
WSW	.7	.7	.7	.7	.3							3.7	8.2
W	2.3	.7	.7	.7	.3							4.7	6.3
WNW	1.7	.7	1.3	.3								4.0	5.9
NW	1.0	2.0	1.7	.7	.3							5.7	7.5
NNW	.3	2.0	.7	1.0								4.0	7.2
VARB													
CALM												2.7	
	14.7	36.7	28.3	14.3	1.7	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS APP
ALL WEATHER MONTH 21
 CLASS NOVEMBER (1971)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	1.7	.3								5.3	5.3
NNE	.7	2.2	2.0									5.0	6.1
NE	.7	2.3	2.0									5.0	5.7
ENE	1.0	1.3	1.3									3.7	5.3
E	3.0	3.0	1.3	.7								8.0	5.7
ESE	2.0	1.3	.3	.3		.3						4.3	6.1
SE	2.3	3.7	3.0	.3								9.3	5.6
SSE	1.7	3.3	4.0	.3								9.3	6.1
S	1.7	3.7	5.7	1.0	.7	.7						12.3	8.6
SSW	1.7	1.3	1.0	.3								4.3	5.4
SW	1.0	1.3	.7	.3								3.0	5.2
WSW		.3	.3	.7								1.3	10.5
W	1.2	.7			.3							2.3	5.3
WNW	1.0	.3	1.0	.7								3.0	7.0
NW	1.2	1.7	.3	.3	.3							4.0	6.4
NNW	.7	.7	.7	.7								2.7	8.0
VARS													
CALM												17.0	
	21.3	28.7	24.7	6.0	1.3	1.0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 300

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MEMPHIS, TN YEARS 73-77 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	1.2	1.0								4.7	6.9
NNE	.7	1.4	1.7	.7	.0							4.9	7.1
NE	.8	1.9	1.3	.7	.0							4.8	6.6
ENE	1.0	2.7	1.0	.3								4.7	5.6
E	2.6	2.5	1.9	.3								7.6	4.9
ESE	2.0	1.5	1.0	.5	.7	.5						5.3	5.5
SE	1.2	1.9	1.7	.6	.2	.5						5.9	7.1
SSE	.8	2.0	3.2	1.6	.4							8.0	8.3
S	1.0	3.0	3.6	1.2	.5	.7						11.7	9.2
SSW	.7	1.5	2.2	1.6	.3	.2						6.5	9.2
SW	.7	1.4	1.5	1.1	.2	.5						5.0	8.2
WSW	.7	.7	1.0	1.2	.2	.1	.0					3.5	10.1
W	1.0	.9	1.5	1.5	.1							5.0	8.1
WNW	1.0	.9	1.0	1.0	.2							4.1	7.8
NW	.7	1.3	1.5	.9	.2							4.7	7.7
NNW	.3	1.1	1.0	.5	.7							3.4	6.9
VARBL													
CALM												10.5	
	16.7	25.9	26.6	17.0	2.6	.7	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2900

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WETTER, TN STATION NAME 73-32 YEARS MAY
ALL WEATHER NORTH
CLAS 00
CONDIT NOVEMBER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	1.0	0.0								6.0	5.2
NNE	0.0	1.0	0.0	0.0								2.0	5.6
NE	1.0	2.0	1.0									5.0	4.6
ENE	2.0	3.0	1.0									6.0	4.2
E	0.0	3.0	0.0									13.0	3.0
ESE	3.0	2.0	1.0									7.0	4.0
SE	2.0	1.0	0.0	0.0								5.0	4.1
SSE	1.0	2.0	1.0	0.0	0.0							6.0	6.0
S	0.0	2.0	1.0	1.0								6.0	7.6
SSW	0.0	0.0	0.0	0.0	0.0							2.0	8.3
SW	0.0	0.0										1.0	4.7
WSW		0.0	0.0									1.0	7.0
W	0.0	1.0	0.0	0.0								2.0	6.8
WNW	0.0	0.0		0.0								1.0	5.7
NW	0.0	0.0	0.0									1.0	7.0
NNW	1.0	1.0	1.0	0.0								4.0	5.1
VARB													
CALM												73.2	
	22.0	25.0	13.0	5.2	0.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 319

SMOS

AD A-150 T-04

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
MEMPHIS TENNESSEE(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

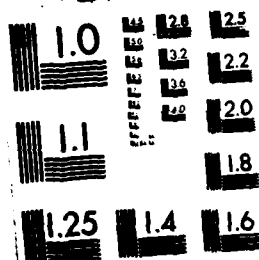
24

UNCLASSIFIED

F/G 4/2

41

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 23-82 YEAR MAY
 CLASS ALL WEATHER
 MONTH 03
 HOUR (LST) 03

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	.3									9.5	9.1
NNE	.6	1.3	1.6									3.5	6.0
NE	1.7	2.6	1.0									9.5	5.0
NNE	2.9	1.6	.6	.3								8.5	9.4
E	7.4	8.8	1.3									13.5	3.6
ESE	2.9	1.3	.6									4.8	3.5
SE	3.2	1.9	1.0	.3								6.5	4.1
SSE	1.3	2.6	.6	.6								8.2	9.7
S	1.7	3.9	1.6	1.6								8.4	6.7
SSW		1.9	.3									2.3	5.7
SW	1.3	.3	.3	.3								2.3	5.4
WSW	.6		.6	.3								1.6	6.6
W	.3	.6	.6									1.6	6.0
WNW	.5	.6										1.3	3.0
NW	1.3	.3	.3									1.9	3.3
NNW	1.3	1.3	.6									3.2	4.2
VARBL													
CALM												29.4	
	23.1	27.4	11.6	3.5								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 52839 MEMPHIS, TN STATION NAME 73-82 YEAR MAY MONTH 06 HOURS (L.S.T.)

ALL WEATHER CLASS

ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	1.0	.6								3.9	6.3
NNE	.6	1.6	1.6									3.9	6.0
NE	1.9	1.6	2.9									6.5	3.4
NNE	3.2	1.3	.3	.3								5.2	3.4
E	4.8	5.8	1.9									12.6	4.4
ESE	4.5	3.5	.3									8.4	3.3
SE	4.5	1.6										6.1	3.1
SSE	1.3	2.9	1.0	.6								5.8	5.9
S	1.9	4.5	3.9	1.0								11.3	6.5
SSW	.3	.6	1.9	.6								3.5	8.1
SW	1.6	1.3		.3								3.2	4.3
WSW	1.0											1.0	2.3
W	.6	.6	1.6	.6								3.5	6.9
WNW	.6	.6										1.3	3.0
NW	1.6	1.3										2.9	2.9
NNW	.3	1.3	.6									2.3	3.9
VARBL													
CALM												18.7	
	30.3	22.7	17.1	9.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7539 MEMPHIS, TN STATION NAME 73-62 YEARS MAY
ALL WEATHER MONTH
CLAS HOUR (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	2.3	1.6								7.1	6.8
NNE	1.0	1.0	2.3	.3								9.5	7.1
NE	.3	1.9	1.6									3.9	6.5
ENE	.3	1.6	1.0	1.0								3.9	7.9
E	1.3	4.9	4.2	.3								10.7	6.1
ESE	1.6	2.6	1.3									5.5	5.2
SE	1.3	3.2	1.6	.3								6.5	5.8
SSE	1.3	3.2	2.6	.3	.3							7.8	6.5
S	2.6	2.6	4.5	2.3								12.0	7.2
SSW	.6	1.9	1.0	3.9								7.8	9.7
SW	1.0	2.9	2.3	.6	.3							7.1	7.3
WSW	.3	1.9	1.3	.6								4.2	6.6
W	.6	2.3	1.3	.6	.3							5.2	7.1
WNW	.3	1.6	.6	.3								2.9	6.2
NW	.3	.6	.3	.6								1.9	7.3
NNW	.3	1.3	1.9									3.6	6.6
VARBL													
CALM												5.8	
	14.6	35.6	30.1	12.9	1.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93819 MEMPHIS, TN STATION NAME 73-92 YEAR MAY
CLASS ALL WEATHER MONTH 12
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.6	2.3	.6								6.1	6.1
NNE	.6	.6	1.9	1.0								4.2	6.9
NE	1.3	2.6	1.6	1.3								6.8	6.9
ENE		1.5	.6	1.0								2.9	9.0
E	2.3	1.6	2.3	.3								6.5	5.6
ESE	.3	2.9	2.3	.3								5.8	6.8
SE	.6	1.0	1.6	.3								3.5	7.0
SSE	.3	1.6	2.3	1.6	.3							6.1	6.6
S	2.9	4.5	4.2	5.3	.3							17.7	6.3
SSW	.3	1.3	4.2	3.2		.3						9.4	10.3
SW	.3	1.6	2.6	2.3								6.8	8.9
WSW	.3	1.0	1.9	.6								3.9	7.8
W	2.3	1.6	1.9	.6								6.5	5.9
WNW	.6	1.3	1.9	.6								4.5	7.1
NW	.6	1.0	1.3	.3								3.2	6.9
NNW	1.0	1.0	1.9	.3								4.2	6.3
VARBL													
CALM												1.9	
	15.5	26.5	34.8	20.3	.6	.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97439 MEMPHIS, IN STATION NAME YEARS 73-92 MONTH MAY
ALL WEATHER CLASS 15
UNITS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.9	3.7	1.6								7.1	8.1
NNE	1.3	1.3	2.2	.6								6.1	6.6
NE		2.3	1.0	1.0								8.2	7.6
ENE	1.0	.3	1.3									2.6	5.0
E	2.3	3.2	3.8	1.0								10.3	6.3
ESE	.6	1.0	1.9	.6								8.2	7.4
SE		2.3	1.6	.6								6.5	7.6
SSE	.3	1.9	2.2	1.0								6.1	8.1
S	1.3	1.6	6.1	6.8	1.0	.3						17.1	10.2
SSW	.3	1.6	1.0	2.3	.6	.3						6.1	10.8
SW	.3	.3	1.9	1.6	.6							8.8	10.5
WSW		.3	1.6	1.6	.3							3.9	11.0
W	1.0	3.2	1.0	1.0	.3							6.5	6.7
WNW	1.0	.6	1.6	.6								3.9	7.5
NW	1.0	.3	1.3	.6								3.2	7.1
NNW	1.0	1.6	2.6	1.0								6.1	7.0
VARB													
CALM												3.2	
	11.6	23.9	35.8	21.9	2.9	.6						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 58379 MEMPHIS, TN STATION NAME 73-02 YEARS MAY MONTH 10 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	1.3	2.6	.3								7.4	5.1
NNE	2.3	3.3	1.0	.3								7.1	4.9
NE	1.3	4.2	1.3									6.8	5.0
ENE	1.6	1.3	1.0									3.9	4.8
E	1.5	3.2	2.6	.3								7.4	5.9
ESE	1.3	3.9	1.0									6.1	5.1
SE	1.3	3.9	1.6	.6								7.4	6.0
SSE	1.6	3.5	3.5	1.0								9.7	6.8
S	.6	1.9	4.8	1.9	.3							9.7	8.8
SSW	1.3	2.9	1.9	1.3	.3							7.7	7.0
SW	.6	2.3	2.3	.6								8.8	6.7
WSW	1.3	1.3	.6	.3	.3							3.9	6.3
W	.6	2.3	.6	.6								4.2	6.4
WNW	1.3	1.0	.3									2.6	4.5
NW	2.3	1.6	.3	.3								3.5	4.7
NNW	.6	1.0	.6	.3								2.6	6.4
VARIABLE													
CALM												3.2	
	22.6	39.0	26.1	8.1	1.0							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93039 NAME MEMPHIS, TN STATION NAME 73-82 YEAR 1952 MONTH MAY
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.6	1.3									4.8	4.7
NNE	2.9	2.3	.6									5.8	3.7
NE	1.7	3.5	.3									5.2	4.8
NNE	3.9	1.6										5.5	3.2
E	2.0	4.5	.3									13.9	3.2
ESE	3.2	2.3	1.3									7.4	4.2
SE	4.5	3.5	2.3	.6								11.0	5.1
SSE	1.6	4.8	.3	1.0								7.7	5.5
S	1.6	1.6	2.3	.3	.3							6.8	6.8
SSW	1.7	.6	.6									2.3	4.9
SW	.6		1.3									1.9	7.2
WSW	.3	.3										.6	3.5
W	1.0	1.0	1.0	.3								3.2	6.0
WNW	1.7	.3										1.6	2.2
NW	.6	.3	.3	.3								1.6	8.0
NNW	1.6	1.0	.3									2.9	3.9
VARB													
CALM												17.7	
	37.1	29.6	12.9	2.6	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03819
STATION

MEMPHIS, TN
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
NUMBER (L E T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.8	.7								5.9	5.9
NNE	1.3	1.6	1.6	.3								4.8	5.9
NE	1.1	2.7	1.4	.3								5.4	5.6
ENE	1.2	1.6	.7	.3								4.5	4.8
E	4.7	4.0	2.1	.2								11.1	4.8
ESE	2.3	2.5	1.2	.1								6.2	4.7
SE	2.7	2.4	1.3	.4								6.4	5.2
SSE	1.1	2.9	1.8	.8	.1							6.8	6.7
S	1.6	3.7	3.8	2.6	.2	.0						11.2	8.0
SSW	.6	1.5	1.5	1.5	.2	.1						5.2	8.8
SW	.8	1.2	1.3	.7	.1							4.1	7.5
WSW	.5	.6	.8	.4	.1							2.5	7.3
W	.2	1.6	1.1	.6	.1							4.2	5.5
WNW	.8	.5	.6	.2								2.4	5.6
NW	1.7	.7	.6	.3								2.6	5.5
NNW	1.0	1.7	1.3	.2								3.7	5.8
VARBL													
CALM												12.9	
	23.6	30.0	22.8	9.8	.8	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

2479

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 67679 MEMPHIS, TN STATION NAME Y3-82 YEAR JUN MONTH
CLASS ALL WEATHER HOURS (LST) 00
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.3	.3	.3								7.3	3.4
NNE	1.3	2.3	.3	.3								4.3	4.8
NE	1.3	1.3		.3								3.0	3.7
ENE	1.3	1.3										2.7	3.6
E	5.3	3.0	.7									9.0	3.4
ESE	5.0	.3	.7									6.0	3.1
SE	4.3	2.7	.3									7.0	3.3
SSE	2.3	2.7	1.7	.3								7.0	5.4
S	2.7	9.0	1.0	.3								13.0	4.9
SSW	1.7	1.3	1.3	.3								4.7	5.0
SW	2.3	1.3	.3									4.0	3.5
WSW	1.0	.7	.7									2.3	4.1
W													
WNW	.7	.3	.7									1.3	6.0
NW	.7	.3	.3									1.3	4.3
NNW	1.3	1.0	.3									2.7	4.0
VARB													
CALM												24.3	
	35.0	10.0	8.7	2.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN YEAR 73-62 MONTH JUN
STATION NAME ALL WEATHER CLASS 03
CONDITION 03
HOURS (LST) 03

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.3										5.7	3.2
NNE	2.3	.7	.3	.7								4.0	4.8
N E	.3	1.3										1.7	4.0
ENE	1.3	.7										2.0	3.0
E	7.7	1.7	1.3									10.7	3.3
ESE	2.7	1.0	1.0									4.7	3.9
SE	4.0	2.3	.3									6.7	3.3
SSE	1.7	2.3	1.3									5.4	4.4
S	3.7	3.0	2.7	.7								9.7	5.3
SSW	1.7	1.7	1.7	.3								5.0	5.3
SW	1.3	1.3	.3									3.0	3.4
WSW	1.0	.7										1.7	3.6
W	1.7	.7		.3								2.3	4.0
WNW	.7		.3									.7	5.5
NW	2.7	1.0										3.3	2.6
NNW	2.7	.7	.3									.7	2.9
VARBL													
CALM												29.6	
	37.5	21.6	9.6	2.0								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-47 YEARS JUN
ALL WEATHER 36
 CLASS HOURLY
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.7										4.0	3.2
NNE	1.3	1.7	.3		.3							3.7	5.4
NE	.7	1.0	.3									2.0	4.5
NNE	1.7	.7	.7									2.7	3.9
E	5.7	3.0										8.7	2.9
ESE	4.7	2.3	.3									6.7	3.2
SE	5.4	3.3	.7									9.4	3.6
SSE	3.0	2.0	1.3									6.0	4.1
S	2.0	5.7	3.7	.7								12.0	6.0
SSW	2.3	2.3	1.7	.3								6.7	5.4
SW	1.0	2.7	.3									3.3	4.6
WSW	1.7	1.3	1.7									3.7	5.0
W	1.3	.7										2.0	2.7
WNW	.3	.3										.7	2.5
NW	2.7	.7	.3									3.0	3.9
NNW	1.7	2.0	1.3									5.0	4.2
VARBL													
CALM												20.1	
	35.4	30.8	12.0	1.0	.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MEMPHIS, TN YEARS 73-82 MONTH JUN
CLASS ALL WEATHER HOURS (LST) 09
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	3.7	.3								6.0	7.3
NNE	.7	1.7	1.0									3.3	3.0
NE	.3	2.0	2.7	.3								5.0	6.9
ENE		2.7	.3									3.0	4.9
E	2.3	2.3	1.7	.3								6.7	5.4
ESE	1.3	1.0										2.3	3.7
SE	.3	2.7	1.7	.3								5.0	6.3
SSE	2.3	2.3	1.0	1.0								7.0	5.9
S	2.7	5.0	5.0	1.7	.3							15.0	7.1
SSW	.7	1.3	4.7	1.0	.3							8.0	6.3
SW	1.7	3.0	6.3	3.0	.3							14.0	6.0
WSW	.7	.3	1.7	1.7								4.0	3.3
W	1.3	1.7	2.7	.7								6.0	6.2
WNW	.7	1.0	.7									2.3	5.3
NW	.7	1.3	1.0									3.0	4.9
NNW	.3	2.7	.7									3.7	5.0
VARBL													
CALM												5.0	
	15.7	33.3	34.7	10.3	1.0							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 320

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1979 STATION 4540115 IN 73-82 YEARS JUN NORTH
ALL WEATHER CLASS 12 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	.7	1.3								5.3	6.5
NNE	.3	2.0	1.7	1.0								5.2	7.1
NE	1.0	1.3	1.0									3.3	5.2
ENE	1.7	1.0	2.0	.3								5.0	5.5
E	.3	2.3	1.3									4.0	5.6
ESE	1.0	2.0	1.3									4.3	5.6
SE	.7	1.3	.3	.3								2.7	5.9
SSE	.7	2.3	1.7	1.0								5.7	6.9
S	1.3	2.7	4.7	1.0	.3							12.0	8.4
SSW	1.3	1.0	3.3	1.0								10.7	8.3
SW	.7	1.7	4.0	4.3	.7							11.3	10.1
WSW	1.0	1.0	3.3	2.3	.3							8.0	8.7
W	1.7	2.3	2.7	1.3								8.2	7.0
WNW	.7	.3	1.7	1.0								3.7	8.0
NW	2.3	1.0	.7	.7								4.7	5.0
NNW	.3		2.0									2.3	7.9
VARBL													
CALM												4.0	
	16.0	26.7	32.3	19.7	1.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07435 MEMPHIS, TN STATION NAME 73-82 YEARS JUN MONTH 15 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	2.7	.7								7.0	6.3
NNE	.7	.7	2.0	1.0								4.3	8.1
NE	.3	.7	.7	.7								2.3	7.7
ENE	.3	1.3	1.7									2.7	6.1
E	1.0	3.0	1.7	1.0								6.4	6.1
ESE	2.0	1.7	.7	.7								5.0	5.3
SE	.7	1.3	1.7									3.7	5.9
SSE	.7	2.7	3.7	1.7								8.7	7.9
S	.7	2.0	4.3	4.0								11.0	9.1
SSW	1.0	3.0	3.0	4.7	.3							12.2	9.2
SW	.3	1.0	3.0	4.0								8.4	9.8
WSW	.7	1.0	2.0	2.3	.3							6.4	9.6
W	1.0	2.3	2.7	.7								6.7	6.8
WNW	1.3	1.0	1.0									3.3	5.1
NW	.3	.3	2.0	.7	.3							3.7	8.8
NNW	1.3	3.0	1.0	.7								6.0	5.9
VARBL													
CALM												2.3	
	1	27.1	32.6	22.7	1.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS JULY
MONTH 12
CLAS ALL WEATHER
ORIGIN 12
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.3	2.0	.3								7.7	5.3
NNE	1.7	3.0	2.0									6.7	5.2
NE	1.0	1.7	1.0	.3								4.0	5.8
ENE	1.0	2.3	.3	.3								4.0	5.3
E	1.7	3.3	1.0									6.0	4.8
ESE	.7	4.3	1.0									6.0	5.5
SE	1.3	3.7	3.0	.3								8.3	6.1
SSE	1.0	3.7	4.0									8.7	6.4
S	1.0	3.0	4.7	3.3	.3							14.7	8.1
SSW		1.3	4.3	.3								6.0	8.9
SW	.7	3.3	3.3	.7								8.0	7.2
WSW	.7	1.0	1.3	.3								3.3	6.1
W	2.7	2.3	1.7	.3								6.7	5.1
WNW	1.0	.3	1.0									2.3	4.9
NW	1.3	1.7	1.0									3.7	5.0
NNW		1.0	1.3	.3								2.7	7.4
VARB.													
CALM												1.3	
	14.3	42.3	33.0	6.7	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 49534 MEMPHIS, TN STATION NAME 73-92 YEARS JUN MONTH 21
ALL WEATHER CLASS
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	.7	.7									4.7	3.6
NNE	4.0	3.0	.7		.3							8.0	4.3
NE	3.0	1.7										4.7	3.1
NNE	3.7	1.0	.7									5.4	3.4
E	4.0	3.7	.3									8.0	3.6
ESE	4.3	2.7										7.0	3.1
SE	3.7	2.7	1.7									8.0	4.4
SSE	2.7	6.0	2.7	.3								11.7	5.0
S	3.0	4.3	2.0	.7								10.0	5.5
SSW	2.7	4.3	.7									7.0	4.2
SW	.7	2.0		.3								3.0	5.1
WSW	.7	.7										1.3	3.3
W	2.3	.7										3.0	2.6
WNW	.3	.3	.3									1.0	5.3
NW	1.0		.3	.3								1.7	5.6
NNW	1.7	.3										2.0	1.7
VARB													
CALM												13.4	
	42.5	38.1	10.0	1.7	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEAR JUN
 CLASS ALL WEATHER MONTH JUN
 CONDITION ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	1.3	.8								6.0	5.0
NNE	1.5	1.9	1.0	.4	.1							8.9	5.5
NE	1.1	1.4	.7	.2								3.3	5.2
NNE	1.3	1.4	.6	.1								3.4	4.5
E	3.5	2.8	1.0	.2								7.4	4.1
ESE	2.6	1.9	.4	.1								5.3	4.1
SE	2.5	2.5	1.2	.1								6.3	4.6
SSE	1.1	1.1	2.2	.5								7.6	5.8
S	7.1	6.6	3.5	1.6	.1							12.2	6.9
SSW	1.3	2.3	2.5	1.3	.1							7.5	7.2
SW	1.1	2.0	2.2	1.5	.1							6.9	7.6
WSW	.9	.8	1.3	.8	.1							3.8	7.3
W	1.4	1.3	1.2	.8								4.4	5.5
WW	.6	.5	.7	.1								1.9	5.8
NW	1.3	.6	.7	.2	.0							3.0	5.1
NNW	1.2	1.3	.9	.1								3.5	5.0
VARB													
CALM												12.5	
	26.3	30.7	21.6	8.3	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2396

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

57819
STATION

MEMPHIS, TN

STATION NAME

73-82

YEARS

JUL
MONTH

ALL WEATHER

CLASS

00

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0			.5								1.6	6.8
NNE	2.3	.6	.7									3.6	3.9
NE	1.3	1.9	.7	.3								3.9	4.8
NNE	3.2	1.0										4.2	2.4
E	7.1	2.3	.7	.6								10.3	3.4
ESE	4.5	.6	.3									5.8	2.6
SE	5.8	3.2	.6									9.7	3.7
SSE	2.6	2.6	.3	.3								5.8	4.4
S	2.6	4.2	1.6									8.9	4.9
SSW	2.9	2.6										5.5	3.3
SW	1.5	1.6										3.2	3.2
WSW	.6	.6										1.3	2.6
W	1.3					.3						1.6	5.8
WNW	.6	.3			.3							1.3	7.0
NW	.6											.6	2.3
NNW	2.3	.3										2.6	2.3
VARB													
CALM												31.0	
	47.6	21.9	3.2	1.9	.3	.3						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47439 MEMPHIS, TN STATION NAME 73-82 YEAR JUL
DATE 03
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0										8.8	2.5
NNE	1.3	1.0	.3									2.6	3.5
NE	1.6	1.6	.3									3.5	3.8
ENE	2.5	1.9	.3									5.2	3.1
E	5.5	1.3	.6	.3								7.7	3.3
ESE	5.5	3.2										8.7	3.1
SE	2.2	1.3										8.2	3.0
SSE	3.2	2.3	.3									5.8	3.6
S	2.2	3.2		.6								7.8	8.3
SSW	2.9	1.3	1.0									5.2	3.9
SW	4.7	1.3	.3									5.8	2.8
WSW	1.3	.3										1.6	2.6
W	.6	.3	.3									1.3	3.8
WNW	.3		.3									.6	9.0
NW	1.3											1.3	1.5
NNW	.6											.6	1.5
VARS													
CALM												33.5	
	41.0	20.6	3.9	1.0								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1469 STATION MEMPHIS, TN STATION NAME 73-82 YEAR JUL MONTH 06
ALL WEATHER CLASS
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.0	.6									3.9	3.7
NNE	.6	.6	.3									1.6	4.2
NE	1.0	1.0	.3									3.2	3.9
NNE	2.9	1.0	.6									4.5	3.4
E	5.2	2.9	.6									8.7	3.3
ESE	5.5	1.0										6.5	2.4
SE	4.8	1.0	.6									6.5	3.1
SSE	2.9	2.9	.6									7.4	3.7
S	4.8	3.9	.6									9.4	3.8
SSW	3.0	1.3	.6									5.8	3.3
SW	2.9	2.9	.3	.3								7.4	3.7
WSW	1.0	.3	.3	.3								1.9	5.0
W	1.3											1.3	2.3
WNW	.3			.3								.6	8.0
NW	1.3			.3								1.6	3.4
NNW	1.0	1.0	.3									2.3	3.4
VARIABLE													
CALM												27.4	
	43.5	21.6	4.1	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 310

5005

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 77-12 YEARS JUL
CLASS ALL WEATHER MONTH 09
CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	1.6	.3								3.9	5.8
NNE	1.7	1.0	1.0	.6								3.5	6.2
NE	.6	3.2	1.0									6.8	5.3
NNE	.6	1.3										1.9	4.7
E	1.6	1.6	1.6	.6								5.5	6.1
ESE	1.3	2.6	.3									6.2	6.5
SE	.3	1.0	1.3									2.6	6.8
ESE	2.3	1.6	.3									6.2	3.5
S	5.2	6.8	2.6	1.7								15.5	5.0
SSW	.6	4.5	3.2									8.4	6.0
SW	1.7	3.5	3.5									8.1	6.3
WSW	2.6	2.9	8.5	.3								10.3	5.9
W	2.9	4.5	3.9	.6								11.9	5.8
WNW	2.3	1.3	.3									3.9	3.4
NW	.6	.6	1.0									2.3	5.0
NNW	1.3	.6	.6									2.6	4.3
VARIABLE													
CALM												6.5	
	25.5	37.7	26.8	3.5								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03459 MEMPHIS, TN STATION NAME 73-82 YEARS JUL MONTH 12 HOURS 12.57
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	1.3	.3								5.2	4.8
NNE	2.3	1.6	1.9	.3								6.1	5.2
NE	.6	1.9	1.6	.3								4.5	6.2
ENE	1.6	1.7	.5									3.2	4.8
E	1.9	1.7	1.9									4.8	5.3
ESE	.3	1.6	.3	.3								2.6	6.3
SE	.6	1.6	1.7	.3								3.5	6.2
SSE	1.6	1.7	1.6									5.2	5.4
S	2.9	4.2	2.9	.3								10.3	5.4
SSW	.3	2.9	2.3	.6								6.5	6.8
SW	1.9	2.6	4.8	1.3								10.6	7.1
WSW	1.3	2.9	3.9									8.1	5.2
W	2.9	5.5	3.2	.3								11.9	5.3
WNW	3.2	1.3	1.3									5.8	4.9
NW	2.3	2.3	1.0									5.5	4.7
NNW	.3	.3	1.0	.3								1.9	7.3
VARB.													
CALM												4.2	
	26.1	34.2	31.7	9.5								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMO6

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23339 MEMPHIS, TN STATION NAME 73-82 YEARS JUL
MONTH 15
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.6	2.2	1.6									6.1	5.4
NNE	1.6	1.6	1.9	.3								5.2	4.4
NE	1.0	1.9	1.9	.3								5.2	4.1
ENE	1.3	1.3	1.0									3.5	4.9
E	1.6	2.3	2.2	.6	.3							7.7	6.9
ESE	.6	1.6		.6								2.9	6.1
SE	.3	1.6	2.9									4.8	6.9
SSE	1.3	1.0	1.3	.3								3.9	5.3
S	1.3	2.9	3.2	1.3								9.9	6.6
SSW	1.0	1.0	4.2	1.6								9.7	7.4
SW	.3	1.3	5.2	1.3								8.7	7.9
WSW	2.3	1.3	2.6	.6								6.8	6.3
W	1.3	2.9	2.3	.3								6.8	6.0
WNW	2.3	3.3	.6	.6								7.4	4.8
NW	1.3		.6		.3							2.3	5.9
NNW	1.0	2.3	1.6									4.8	5.4
VARBL													
CALM												4.5	
	21.6	31.3	33.9	8.1	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEAR JUL
MONTH 18
HOURS (LST) 18
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	1.3									6.1	4.9
NNE	1.3	2.3	1.3	.6								6.1	6.1
NE	3.2	4.3	.5		.3							2.0	4.4
ENE	2.3	1.0	.7									3.5	5.8
E	.3	2.9	2.3	.6								6.1	7.6
ESE	.7	2.3	.5	.3								3.9	5.8
SE	1.0	3.2	1.7	.3								5.8	5.8
SSE	1.5	2.9	1.0									8.5	5.8
S	2.3	4.5	1.0	.3								9.0	5.5
SSW	2.9	6.5	2.0									13.2	5.3
SW	1.0	3.5	1.6									7.1	4.8
WSW	1.0	3.2	1.0	.3								8.5	5.9
W	1.0	2.3	1.0									4.5	4.8
WNW	1.0	1.0	.7									3.2	3.3
NW	.6	.5	.6									1.9	5.0
NNW	1.0	1.0										2.9	4.1
VARBL													
CALM												4.8	
	29.2	45.3	22.3	2.6	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS JUL
ALL WEATHER 21
 CLASS HOURLY (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.5	1.5		.6							4.5	6.1
NNE	4.2	.3										4.5	2.5
NE	2.3	1.6	.3									4.2	3.7
ENE	4.5	2.3	.6									7.4	3.4
E	6.1	1.6	1.3									9.0	3.6
ESE	6.5	1.0	1.0	.7								8.7	3.7
SE	4.5	1.2	.6									7.1	3.6
SSE	4.5	2.2	.6	.3								8.4	4.0
S	5.2	3.2	2.6	.3								13.3	4.8
SSW	2.5	3.2	.3									7.1	3.6
SW	1.5	1.5										3.2	1.3
WSW		1.0	.7									1.7	5.5
W	1.5	.3										1.2	2.7
WNW	.5											.6	1.0
NW	1.7											1.3	1.5
NNW	.6											.6	1.0
VARBL													
CALM												18.1	
	42.7	21.2	8.7	1.2	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

DATE MEMPHIS, TN STATION NAME 73-82 YEARS JUL
STATION MEMPHIS, TN STATION NAME 73-82 YEARS JUL
CLASS ALL WEATHER MONTH JUL
CONDITION ALL HOURS 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							4.0	4.0
NNE	1.0	1.0	1.0	1.0	1.0							4.0	4.0
NE	1.0	2.0	1.0	1.0	1.0							4.0	4.0
ENE	2.0	1.0	1.0	1.0	1.0							4.0	4.0
E	1.0	2.0	1.0	1.0	1.0							7.0	4.0
ESE	1.0	1.0	1.0	1.0	1.0							5.0	4.0
SE	1.0	1.0	1.0	1.0	1.0							5.0	4.0
SSE	2.0	2.0	1.0	1.0	1.0							5.0	4.0
S	1.0	4.0	1.0	1.0	1.0							10.0	5.0
SSW	2.0	3.0	2.0	1.0	1.0							7.0	5.0
SW	1.0	2.0	2.0	1.0	1.0							6.0	5.0
WSW	1.0	1.0	1.0	1.0	1.0							4.0	5.0
W	1.0	2.0	1.0	1.0	1.0							5.0	5.0
WNW	1.0	1.0	1.0	1.0	1.0							2.0	4.0
NW	1.0	1.0	1.0	1.0	1.0							2.0	4.0
NNW	1.0	1.0	1.0	1.0	1.0							2.0	4.0
VARBL													
CALM												10.0	
	34.0	29.4	17.1	3.0	1.0	1.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2490

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 33475 MEMPHIS, TN STATION NAME 73-87 YEAR 73-87 AUG 00
MONTH 00
ALL WEATHER CLASS 00
CONDITION 00
HOURS (L.S.T.) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.3	.3									4.5	1.3
NNE	1.6	4.2										5.8	4.2
NE	1.6	3.5	.3									5.5	4.0
NNE	2.3	1.0	.6									3.9	3.9
E	2.4	1.3	.3									11.0	2.9
ESE	5.8	2.3										8.1	2.5
SE	6.1	2.2	.6									9.7	3.2
SSE	3.2	2.9	1.0									7.1	4.0
S	2.3	2.3	1.9									6.5	4.8
SSW	.3	.6	.6									1.6	5.4
SW	.3	1.3	.6									2.3	5.1
WSW													
W													
WNW	.3											.6	2.0
NW	1.6	.3										1.9	2.0
NNW	1.0											1.0	1.7
VARB.													
CALM												30.6	
	39.0	23.9	6.5									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 33879 MEMPHIS, TN STATION NAME 73-82 YEAR AUG MONTH 03
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	1.0	.8									4.8	3.3
NNE	.6	.6	.3									1.6	4.6
NE	1.4	1.3	.6									3.5	3.7
ENE	1.2	1.3										4.5	2.6
E	9.4	.6	.3									10.3	2.3
ESE	9.1	1.9	.6									10.6	2.7
SE	4.8	.6										5.5	2.3
SSE	2.9	2.3	1.3									6.1	4.0
S	2.9	3.2	1.0									7.1	4.6
SSW	.5	2.6	1.3									4.2	5.7
SW	1.0	.6	.3									1.9	3.7
WSW	.6											.9	1.5
W	1.6											1.6	2.0
WNW													
NW	.6											.6	1.5
NNW	2.3	1.0										3.2	3.2
VARBL													
CALM												33.5	
	43.2	17.1	6.1									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION MARK 71-82 YEAR AUG
ALL WEATHER MONTH 06
 CLAS
 OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.2	.6									7.7	3.9
NNE	1.0	1.0	1.0									2.9	3.2
NE	2.4	.6	.6									3.5	3.7
NNE	1.6	.6										2.3	2.7
E	11.9	2.6	.3									18.8	2.3
ESE	7.1	.3	.3									7.7	2.3
SE	7.5	2.3										5.8	3.1
SSE	4.8	2.9		.3								8.1	3.1
S	3.2	1.3	1.3									5.8	3.1
SSW	1.3	2.9	.3									4.5	3.1
SW	1.0	.6	.3									1.9	3.1
WSW	.6											.6	1.0
W	1.3	.6										1.9	1.0
WNW	.3	.3										.6	1.0
NW	.3											.6	1.0
NNW	.3	.6		.3								1.3	2.6
VARBL													
CALM												30.0	
	44.5	20.0	4.4	.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS 80
ALL WEATHER
CLAS
09
MOON (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.0	.6								5.8	5.4
NNE	.2	2.3	1.7									3.9	6.3
NE		2.6	1.9									4.5	6.6
NNE	.3	1.3	.6									2.3	5.6
E	4.2	3.5	.6									8.4	3.6
ESE	2.9	1.9										4.8	3.2
SE	2.9	2.3	.6	.3								6.1	4.4
SSE	2.6	1.9	2.6									7.1	5.3
S	2.9	4.8	1.9	.6								10.7	3.2
SSW	1.3	5.8	3.9	1.3								12.3	6.6
SW	1.6	3.2	5.2	.6								10.6	7.1
WSW	1.3	1.9	3.2									6.5	6.2
W	2.3	1.9	1.0									5.2	4.2
WNW		.6										.6	4.3
NW		.3	.3									.6	6.3
NNW	2.3	1.3										3.5	2.8
VARB													
CALM												7.4	
	26.5	38.4	24.2	3.5								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07439 MEMPHIS, TN STATION NAME 73-92 YEARS AUG
MONTH 12
CLASS ALL WEATHERS
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.2	1.3	.3								7.1	4.8
NNE	.3	2.6	1.6	.6								5.2	4.9
NE	1.6	1.3	1.2	.6								5.5	4.1
NNE	1.0	1.3	.6	.3								3.2	5.6
E	2.3	1.2	.3									4.5	3.8
ESE	2.6	1.6										4.2	2.8
SE	1.0	1.6	1.0	.3								3.9	5.4
SSE	.3	.6	1.2									2.3	6.3
S	.6	4.5	3.9	.6								9.7	6.6
SSW	.6	2.6	3.2	1.3								7.7	7.7
SW	1.6	2.6	6.5	1.0								11.6	7.9
WSW	1.2	2.2	3.5	1.0								8.7	7.0
W	3.9	4.2	1.9	.3								10.3	4.7
WWW	1.0	1.9	.6									3.5	4.4
NW	1.6	1.6										3.2	3.8
NNW	1.3	2.6	1.6	1.3								6.8	6.8
VARBL													
CALM												2.6	
	23.2	37.1	29.4	7.7								100.5	5.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-02 YEARS AUG
ALL WEATHER MONTH 15
 CLASS 15
 ORIGIN 15

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.9	3.0	1.3								12.3	6.1
NNE	1.9	1.3	4.2	.6								8.1	7.0
NE	1.3	1.3	.6	1.0								4.2	5.9
ENE	1.3	.6	1.6	.3								3.9	5.9
E	1.9	2.5	1.6									6.1	9.9
ESE		1.6	.3	.3								2.3	6.0
SE	1.6	2.9	1.0									5.5	9.9
SSE		2.3	.6	.3								3.2	6.1
S	1.3	3.5	3.2	2.6								10.6	7.5
SSW	.6	1.9	3.2	1.9	.3							8.1	8.3
SW	.6	2.3	3.5	.6								7.1	7.1
WSW	1.3	1.2	2.3	1.0								6.5	6.9
W	1.2	3.2	2.3	.3								7.7	5.3
WNW	1.3	1.7	.3	.3								3.9	9.6
NW	.6	1.9	.6									3.2	5.2
NNW	1.6	1.9	.6									4.2	9.5
VARBL													
CALM												3.2	
	19.7	36.1	30.0	10.6	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97136 MEMPHIS, TN STATION NAME 73-82 YEARS 1915
MONTH 12
HOURS (L.S.T.) 12
CLASS ALL WEATHER
LOCATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	5.5	3.2	.3								14.2	4.8
NNE	2.6	2.6	2.3									7.4	5.3
NE	4.2	2.3	.6									7.7	3.5
ENE	3.5	1.6										5.2	3.1
E	2.3	1.9	.6	.3								5.8	4.6
ESE	2.6	1.7	1.9	.3								5.8	5.2
SE	1.9	2.3	.3									4.5	4.1
SSE	.6	2.3	1.6	.3								4.8	4.3
S	1.3	3.9	4.5									9.7	6.5
SSW	1.2	4.2	1.3									7.4	4.7
SW	1.3	3.2	2.6									6.8	5.8
WSW	2.6	2.9	1.0									6.5	4.2
W	2.3	.3										2.6	2.0
WNW	1.3	1.0		.3								2.6	4.0
NW	1.3	.3										1.6	2.2
NNW	.3	2.6										2.9	4.4
VARS													
CALM												4.5	
	35.5	38.4	27.0	1.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 3019 NAME MEMPHIS, TN YEARS 73-82 MONTH 06
STATION NAME ALL WEATHER CLASS 21
CORRECTION NOISE (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	1.6	1.7									7.7	3.4
NNE	2.9	4.2	1.7									8.4	4.3
NE	1.0	2.3	.3									3.5	4.5
NNE	2.6	1.0	.6									4.2	3.2
E	1.0	1.2	.3									13.5	2.7
ESE	3.5	2.9	.3	.3								7.1	3.8
SE	4.2	4.2										9.0	3.9
ESE	3.5	4.2	.6									9.0	3.8
S	1.6	2.4	1.0									6.1	5.2
SSW	1.3	.6										1.9	2.8
SW	.6	.3		.3								1.3	5.5
WSW		.3										.3	4.0
W	.3	.3										.6	4.5
WNW	1.0											1.0	1.7
NW	1.0											1.0	1.7
NNW	1.3	.3	.6									2.3	3.9
VARB.													
CALM												72.9	
	40.6	28.7	7.1	.6								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47639 MEMPHIS, TN STATION NAME 73-82 YEAR 1962 AUG 1962
ALL WEATHER CLASS ALL MONTHS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	2.5	1.5	.3								8.0	4.6
NNE	1.4	2.3	1.5	.2								5.4	5.5
NH	1.7	2.0	.5	.2								4.8	4.7
ENE	2.0	1.1	.5	.1								3.7	3.9
E	4.5	2.2	.6	.0								9.3	3.0
ESE	4.1	1.7	.6	.1								6.3	3.3
SE	1.3	2.4	.4	.1								6.2	3.7
SSE	2.3	2.5	1.1	.1								6.0	4.8
S	2.0	1.3	2.5	.8								6.2	5.8
SSW	1.0	2.7	1.7	.6	.0							6.0	4.3
SW	1.0	1.0	2.4	.3								5.8	4.5
WSW	1.0	1.2	1.7	.2								3.7	4.0
W	1.7	1.3	.6	.1								3.7	4.3
WNW	.7	.7	.1	.1								1.6	4.2
NW	.9	.6	.1									1.6	3.5
NNW	1.3	1.3	.9	.2								3.1	4.7
VARS													
CALM												16.9	
	34.0	32.7	16.0	3.1	.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2480

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

21450
STATION

MEMPHIS, TN
STATION NAME

73-92
YEARS

SEP
MONTH

ALL WEATHER
CLASS

00
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	3.0	.7	.7								8.0	4.6
NNE	1.7	2.3	1.0									5.0	4.7
NE	2.3	2.7	.7									5.7	4.1
ENE	3.7	2.0										5.7	3.0
E	7.7	3.3										11.0	2.8
ESE	2.7	1.0	.7									4.3	3.5
SE	2.0	1.0										3.0	3.1
SSE	2.3	2.0	1.0									5.3	4.1
S	.7	3.0	1.0									4.3	5.1
SSW	.7	1.0	.7	.3								2.3	5.3
SW	.3											.3	1.0
WSW	.3	.3										.7	4.0
W		.7										.7	4.0
WNW	1.0		.3									1.3	3.3
NW	2.0	.7										2.7	2.1
NNW	2.7	1.3	.3									4.3	3.4
VARBL													
CALM												35.3	
	33.3	24.3	6.0	1.0								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-92 YEARS SEP
CLAS ALL WEATHER MONTH SEP
OBSERVATION 07
HOURS (LST) 07

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.3	1.0	.7								8.7	4.4
NNE	2.0	1.3	1.0	.3								6.7	5.8
NE	2.0	1.7	.1									4.0	3.5
ENE	1.0	1.7	.7									3.0	3.3
E	2.3	3.3										12.7	2.6
ESE	4.7	1.7	.3									6.7	2.8
SE	3.0	1.3	.3									4.7	3.3
SSE	2.0	1.0	.7									3.3	3.7
S	2.0	1.7	1.0									4.7	4.5
SSW	1.7	1.3										2.7	3.8
SW	.7		.7									1.0	4.3
WSW	.3											.3	2.0
W													
WNW	1.0	.7	.7									1.7	3.6
NW	2.7	.7	.7									3.7	2.9
NNW	3.0	.7										3.7	2.6
VARB													
CALM												70.7	
	41.7	21.0	5.7	1.0								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCNOLIS, TN STATION NAME 73-02 YEARS SEP
ALL WEATHER MONTH 06
 CLASS 06
 CORRECTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.3	1.0	.7								8.0	5.0
NNE	2.7	2.7	.7	.3								6.0	4.0
NE	1.0	.7	.7									2.3	5.0
ENE	1.3	2.3	.7									4.3	3.9
E	11.3	2.7										14.0	2.3
ESE	6.0	1.0	.7	.3								7.7	3.0
SE	2.3	2.0	.3									4.7	3.6
SSE	2.3	1.7										4.0	3.3
S	2.0	1.7	1.0									4.7	4.8
SSW	1.0	.3	.7									2.0	4.0
SW	.3											.3	1.0
WSW	.7	.7										1.3	3.5
W	.7											.3	2.0
WNW	1.3											2.3	1.9
NW	2.0		.7									2.7	3.8
NNW	2.7	.7	.7	.3								4.3	3.9
VARBL												11.0	
CALM													
	41.3	12.7	6.3	1.7								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PCW-75, TN STATION NAME PCW-75 YEARS SEP
ALL WEATHER MONTH SEP
CLASS HOURS (L & T) 09
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.2	3.3	1.7								11.4	6.5
NNE	2.3	3.3	1.3	.7								7.4	5.5
NE	2.0	2.0	2.0	.7								6.7	5.7
ENE	1.7	3.0	.7									5.0	4.8
E	2.7	4.3	2.3									9.4	5.1
ESE	3.0	3.3	1.7									7.7	4.4
SE	2.3	1.3	1.0	.7								5.0	5.8
SSE	3.0	3.0	2.0									8.0	4.7
S	1.7	2.3	1.7	.7								6.4	5.7
SSW	2.3	4.0	2.3	.7								9.0	5.7
SW	3.0	.7	.3	.7								2.7	6.6
WSW		1.3	.3									1.7	6.2
W	.7	1.7	.7									2.0	4.8
WNW	1.7	1.3	.7									3.3	4.8
NW	.7	1.3	.7									2.0	4.8
NNW	.7	1.7	1.0	.3								3.7	6.1
VARB													
CALM												6.7	
	23.4	38.1	20.7	6.0								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7934 ASHEVILLE, TN STATION NAME 77-02 YEARS SEP
CLAS ALL WEATHER MONTH 12
CONDITION 12
HOURS 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	3.3	4.0	2.0								11.7	7.0
NNE	0.7	3.7	1.7	1.0								9.0	5.3
NE	1.7	2.7	2.3	.3								7.0	6.1
ENE	0.7	2.7	1.7									5.3	4.3
E	2.7	3.3	1.7									7.0	4.9
ESE	1.7	1.7	1.0	.7								4.0	6.6
SE	.7	1.7	1.7									4.0	6.3
SSE	.3	1.3	2.0	.7								4.3	7.7
S	1.3	2.3	2.0									7.7	5.3
SSW	1.7	1.7	2.0	1.7	.3							7.0	5.2
SW	.7	3.0	2.7	1.7								7.0	7.8
WSW	1.7	1.7	1.0									3.7	5.2
W	1.7	1.7	.7									3.0	4.7
WNW	1.7	1.0	.7									3.3	4.6
NW	1.7	1.7	1.7	.3								5.0	5.8
NNW	1.7	1.7	2.3	1.0								6.7	6.5
VARBL													
CALM												3.7	
	23.7	16.0	25.7	9.7	.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27535 MEMPHIS, TN STATION NAME 73-82 YEARS SEP
MONTH 18
NOVEMBER (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	6.7	8.7	1.7	.3							20.0	6.7
NNE	1.3	2.3	2.0	.7								6.3	5.8
NE	1.7	2.7	1.7	.7								6.7	5.8
ENE		2.3	1.0									3.3	5.1
E	1.7	3.7	1.3									8.0	4.2
ESE	.7	1.3	1.7	.3								4.0	6.8
SE	1.7	1.3	.7	.3								4.0	4.5
SSE	1.0	1.0	1.3									3.0	5.4
S	1.7	1.3	3.7	.3								7.0	6.7
SSW	1.0	.3	1.7	1.3								4.3	7.9
SW	1.7	1.7	2.0	1.0								6.3	6.5
WSW	.7	1.7	1.3									3.3	5.8
W	1.3	3.0										4.3	4.2
WNW	1.3	1.0	.3									2.7	3.9
NW	.7	1.0	.7	.3								2.7	5.5
NNW	.7	4.7	4.3	.7								10.3	6.7
VARBL													
CALM												3.7	
	22.7	36.0	32.0	7.3	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7374 MEMPHIS, TN STATION NAME 73-02 YEARS SEP
ALL WEATHER MONTH 18
 CLASS 18
 CONDITION 18

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	14.7	6.7	1.7	1.7								24.7	4.0
NNE	6.7	2.7	.3									9.7	3.1
NE	3.7	3.7	.3	.3								8.0	3.8
NNE	4.7	2.7										7.3	3.0
E	7.7	2.7										6.3	3.2
ESE	1.7	1.7	.7									3.3	4.6
SE	.3	1.7	.3									2.3	4.9
SSE	1.7	2.7	1.0	.3								5.3	5.1
S	1.7	2.7	1.0									5.3	4.5
SSW	.7	.7	.7									2.0	5.0
SW	.7	1.3										2.0	3.8
WSW	1.7	.3										1.3	2.5
W	1.0	.3	.3									1.7	3.0
WNW	.7	.3										1.0	2.7
NW	1.7	1.0	.7									3.3	4.1
NNW	4.7	.3	.3	.3								5.7	3.0
VARBL													
CALM												11.3	
	44.0	30.7	7.3	2.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 71-82 YEARS SEP
MONTH 21
CLASS ALL WEATHERED
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	3.3	.7	.3								8.7	4.0
NNE	4.7	2.7	1.7									9.0	4.0
NE	2.0	2.7	.3									5.0	4.2
NNE	4.0	1.7		.3								6.7	3.6
E	2.7	2.7	1.0									10.7	3.9
ESE	3.7	2.3										6.0	3.2
SE	1.3	1.0	.3	.3								3.0	4.4
SSE	2.7	2.7	1.0									5.7	4.4
S	.7	3.0	.7	.3								4.7	5.6
SSW	1.3	1.0										2.3	3.4
SW	.3	.7		.3								1.3	5.8
WSW		.3										.3	4.0
W	.3	.7	.3									1.0	3.0
WNW	.7											.7	2.5
NW	1.7		1.0									2.7	4.1
NNW	2.3	1.3	.7	.3								4.7	4.2
VARBL													
CALM												28.3	
	36.3	25.7	7.7	2.0								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 300

2106

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN 73-82 SEP NORTH
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	4.1	2.6	1.2	.0							12.6	5.3
NNE	2.9	2.8	1.2	.4								7.2	4.7
NE	2.7	2.3	1.7	.3								5.7	4.9
ENE	2.3	2.1	.5	.0								5.3	3.8
E	3.6	3.3	.2									9.9	3.4
ESE	2.0	1.5	.8	.2								5.5	4.1
SE	1.7	1.4	.6	.2								3.8	4.5
SSE	1.2	1.9	1.7	.1								4.9	4.8
S	1.5	2.3	1.4	.2								5.6	5.3
SSW	1.2	1.3	.9	.5	.0							4.0	6.0
SW	.7	.9	.6	.5								2.7	6.9
WSW	.5	.3	.3									1.6	4.9
W	.6	.9	.2									1.6	4.2
WNW	1.3	.5	.7									2.0	3.7
NW	1.5	.8	.7	.1								3.1	4.2
NNW	2.3	1.5	1.2	.4								5.4	5.0
VARBL													
CALM												10.1	
	33.9	28.7	14.3	3.9	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1139 NAME MEMPHIS, TN YEAR 73-82 MONTH OCT
CLASS ALL WEATHER GDD 00
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	3.2	1.0								9.0	6.1
NNE	.6	2.3	1.3	.3								4.5	6.2
NE	1.0	.6	1.0									2.6	5.1
NNE	1.9	.6	.7									2.9	3.3
E	6.8	1.3			.3							8.4	3.0
ESE	2.1	1.0	1.6									9.7	3.4
SE	1.6	3.2	.3	.3								5.5	4.4
SSE	1.2	2.3	1.9	.3								6.5	3.4
S	1.2	1.0	1.2									2.9	5.1
SSW	.3	1.3	.6									2.3	5.6
SW	.3	.3										.6	3.5
WSW	.6	.6	.3									1.6	4.0
W		.3										.3	4.0
WNW	1.2	.3	.5									2.9	3.6
NW	1.6	.6		.3								2.6	4.1
NNW	1.9	1.0	1.3	.3								4.5	5.2
VARB													
CALM												33.2	
	30.6	19.7	13.5	2.6	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS OCT
MONTH 03
HOURS (LST) 03
CLASS ALL WEATHER
CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	2.6	3.2	1.3								9.7	6.3
NNE	1.0	1.9	1.0									3.9	5.4
NE	2.6	1.9	.5									5.2	3.6
NNE	1.0											1.0	2.3
E	10.0	2.6										12.6	2.8
ESE	5.8	1.9										7.7	2.5
SE	2.6	1.0	1.0	.3	.3							4.8	5.9
SSE	1.6	3.2	1.3									6.1	5.0
S	1.3	.6	1.3									3.2	5.2
SSW		.6	.6		.3							1.6	8.2
SW	1.0	.3	.7									1.6	4.6
WSW	.6											.5	2.0
W	1.0	.6										1.6	3.2
WNW	1.0	1.3		.3								2.3	4.6
NW	.6	.6	.3	.3								3.9	4.3
NNW	1.9	.6	.3	.3								3.2	4.0
VARIABLE												31.0	
CALM													
	36.1	19.7	10.0	2.6	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27419 MEMPHIS, TN 13-32 YEAR MONTH DAY
STATION NAME ALL WEATHER CLAS 06
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.5	1.6	1.3								9.7	5.8
NNE	1.7	.3	1.3									2.6	5.6
NE	.6	1.9										2.6	3.4
ENE	1.9	1.9										3.9	3.2
E	9.1	2.9	.6									12.6	2.8
ESE	5.8	2.9	.6									9.4	3.3
SE	4.5	1.6	.6	.3								7.1	4.0
SSE	1.7	2.3	1.9	.6								4.9	6.2
S	.3	1.7	1.3									2.6	5.9
SSW	.3	.6	.3		.3							1.6	8.0
SW	1.3	.6										1.9	2.7
WSW	1.7											1.0	2.7
W	.6	.3										1.0	3.3
WNW	1.3		.3									1.6	3.0
NW	1.3	1.7		.3								2.6	4.1
NNW	1.7	1.9	.6	1.7								4.5	6.4
VARB													
CALM												30.4	
	33.3	23.2	8.4	3.6	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 399

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION W-40-15, TN STATION NAME 73-42 YEAR 1959 MONTH OCT
 CLASS ALL WEATHER HOUR (L.S.T.) 09
 ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	.0	3.2	2.0	2.9								9.7	8.6
NNE	1.0	1.3	1.0	.3								3.9	6.7
NE	.7	1.6	.0									2.6	5.8
NNE	.9	1.3	1.6	1.3								4.5	8.6
E	2.9	1.6	1.0	1.0								7.4	5.9
ESE	1.0	1.3	1.6	.3								4.2	6.3
SE	1.0	3.2	1.6	.6								7.4	5.9
SSE	2.2	3.5	4.2									13.0	5.5
S	2.6	3.2	3.2	3.2								12.9	7.2
SSW	2.9	2.3	2.6	.6								8.4	5.5
SW	.3	2.6		.3	.6							3.9	7.8
WSW	.6	1.3	1.0									2.9	3.2
W	1.9	2.3	1.0	.3								5.5	5.0
WNW		1.6	.2									1.9	5.7
NW	1.3	.6	2.3	.6								4.8	7.1
NNW	.6	1.0	.6	1.6								3.9	6.1
VARBL													
CALM												5.2	
	21.6	32.6	26.9	13.2	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03479 NAME MEMPHIS, TN YEAR 73-82 MONTH 06
STATION NAME MEMPHIS, TN CLASS ALL WEATHER HOURS (L.S.T.) 12
ORIGINATOR _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.3	2.6	2.3								7.7	8.2
NNE	1.0	1.3	1.9	.3								4.5	6.4
NE	.7	1.3	1.3	1.3								4.2	8.4
NNE	1.6	.3	.6									1.9	4.8
E	.3	1.6	.6	1.0								3.5	7.3
ESE	1.7	.3	1.7	.3								3.5	5.6
SE	1.6	.6	1.7	1.0								4.2	6.5
SSE	1.6	2.6	2.6	.6	.3	.7						8.1	7.4
S	2.6	3.5	5.5	2.9								14.5	7.6
SSW	1.9	2.3	1.5	2.3								10.0	7.6
SW	1.6	1.3	1.6	2.6								7.1	8.2
WSW	1.7	.6	1.6	1.0								4.2	7.5
W	1.7	2.9	1.6	.6	.3							6.8	6.9
WNW	.3	1.3	1.6	1.0								4.2	7.2
NW	1.3	1.7	2.3	1.3								8.5	7.4
NNW	1.0	.6	2.9	1.0								5.5	7.5
VARBL													
CALM												3.9	
	12.4	24.2	33.2	19.3	.6	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 47339 STATION NAME MEMPHIS, TN YEARS 73-82 MONTH OCT
CLASS ALL WEATHER HOURS (L E T) 15
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	4.8	2.9	.3							12.3	8.1
NNE	.6	1.3	1.6	.3								3.9	6.6
NE	1.2	1.5	1.0									3.5	5.2
ENE	.3	.3	1.0									3.5	4.0
E	1.9	1.9	.6	.3								4.6	5.1
ESE	1.3	1.3	1.3									3.9	5.2
SE	1.9	1.3	1.3	1.3								5.8	6.6
SSE	1.9	1.6	2.7	1.6								7.4	7.3
S	1.0	3.2	4.5	2.3								11.0	8.0
SSW	.6	1.3	3.9	1.3								7.2	8.2
SW	1.6	3.2	1.9	1.6								8.4	6.8
WSW	1.3	1.6	1.3	.3								4.5	5.9
W	.3	2.9	1.3	1.0	.3							5.3	7.6
WNW	1.3	1.3	2.3									4.8	5.9
NW	1.0	2.3	.6	1.0								4.8	6.4
NNW	.6	1.9	1.3	1.6								5.5	8.2
VARB													
CALM												2.9	
	20.3	29.7	31.0	15.5	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS OCT
CLASS ALL WEATHER MONTH 18
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	5.3	.6	1.3								11.9	4.3
NNE	2.7	2.3										7.4	2.8
NE	1.0	.3	.3									4.3	2.5
NNE	2.9	1.3										4.2	3.2
E	4.3	1.9	.3									9.2	2.9
ESE	1.6	2.8	.6									5.2	4.6
SE	1.4	2.6	2.3									6.5	5.2
SSE	2.3	2.3										4.5	3.5
S	3.5	3.9	.5	.3								8.4	4.3
SSW	1.7	1.7										4.5	2.9
SW	2.6	.5										3.2	2.6
WSW	.7		.3	.3								1.6	7.3
W	2.7	.3	.3	.6								3.5	4.7
WNW	1.3	.3										1.6	2.4
NW	1.7	.3	.3	.3								2.3	4.7
NNW	2.3	.3	1.6	.3								3.9	4.5
VARB													
CALM												16.5	
	47.1	26.5	6.8	3.2								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MEMPHIS, TN YEARS 73-82 MONTH OCT
STATION NAME ALL WEATHER MONTH 21
CLASS NOV 11 1982
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	2.0	.3								10.6	5.4
NNE	1.0	2.3	.3	.3								3.9	5.1
NE	.3	.6	.6									1.6	5.9
NNE	1.9	1.0	.3									3.2	3.2
E	5.5	4.2										9.7	3.0
ESE	4.2	2.0	.3	.3								7.7	3.7
SE	4.5	1.9	2.5									9.0	4.5
SSE	3.2	1.9	1.7	.3								6.5	4.2
S	.3	1.7	.6	.6								3.5	6.9
SSW	1.7	.3										1.6	3.0
SW	.6											.5	1.5
WSW			.3									.3	10.0
W	.6	.6	.3	.6								2.3	6.5
WNW	.6	.3	.6									1.6	4.8
NW	.3	1.0	.3	.3	.3							2.3	7.6
NNW	2.0	.6		.6								4.2	4.0
VARB													
CALM												71.7	
	31.3	23.2	10.3	1.5	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07-32 MEMPHIS, TN STATION NAME 73-01 YEARS 007
 MONTH ALL
 CLASS ALL WEATHERS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.4	2.7	1.7	.0							10.3	5.5
NNE	1.4	1.4	1.1	.2								4.3	5.3
NE	1.3	1.3	.7	.2								3.7	4.6
ENE	1.7	.8	.5	.2								3.1	4.4
E	1.8	2.3	.3	.3	.0							8.5	3.5
ESE	3.5	1.2	.0	.1								6.4	3.9
SE	2.5	1.3	1.3	.5	.0							6.7	5.2
SSE	2.1	2.5	1.2	.4	.0	.0						6.9	5.7
S	1.6	2.4	2.3	1.2								7.4	6.8
SSW	1.3	1.3	1.5	.5	.1							4.5	6.4
SW	1.7	1.1	.5	.6	.1							3.4	6.2
WSW	.7	.5	.6	.2								2.0	5.8
W	1.0	1.3	.6	.4	.1							3.2	6.0
WNW	1.0	.5	.7	.2								2.4	5.1
NW	1.3	.9	.8	.6	.0							3.7	6.3
NNW	1.5	1.2	1.0	.4								4.4	5.2
VARBL													
CALM												19.1	
	29.7	24.7	17.5	7.9	.4	.0						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MT HOLTS, TN 77-32 NOV
STATION NAME ALL WEATHER YEARS NOV
CLASS NOV
CONDITION NOV

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7								10.3	5.7
NNE		2.0	1.7									3.7	6.0
NE	1.7	2.0	1.7	.7								4.7	5.6
ENE	1.7	.3	.7	.7								2.7	1.2
E	5.7	1.7										7.7	2.2
ESE	4.7	1.7	1.7									6.3	1.1
SE	2.7	2.7	1.7	.3								7.7	5.1
SSE		1.7	1.7	.7								3.7	6.7
S	1.7	2.7	3.7	1.7	.7							8.3	4.7
SSW	1.7	.7	1.7	.3	.3							1.7	5.0
SW	.7	1.7	1.7									2.7	6.0
WSW	1.7	.7	.7									2.0	5.2
W	1.7	1.7	1.7	.7								3.7	6.8
WNW	.7	1.7	1.7									3.0	5.8
NW	1.3	.7	1.3									3.0	5.1
NNW	1.7	1.7	.7	1.7	.3							4.3	7.4
VARBL													
CALM												24.1	
	27.0	21.7	20.0	6.0	1.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WCHH75, TN STATION NAME W3-22 YEARS NOV
MONTH 03
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.3	2.7	.3								9.7	5.3
NNE	2.0	1.0	.3									3.3	3.9
NE	1.0	2.0	.7	.7								4.3	3.8
ENE	.7	1.3	.7									2.3	3.0
E	4.7	1.7		.3								6.7	3.3
ESE	4.7		.7									5.3	3.0
SE	3.3	2.3	1.3	.3								7.3	4.8
SSE	1.0	1.3	3.7	.7								6.7	4.8
S	1.0	1.0	1.3	2.0	.3							5.7	9.9
SSW	2.0	1.0		.3	.3	.3						4.0	6.9
SW	.7		.3	.3								1.3	7.0
WSW	1.3	.7	1.0	.7								3.3	6.9
W	1.3	1.3	1.0	.7								4.3	6.3
WNW	1.0	1.7	.3									3.0	4.1
NW	2.0	1.3	.7	.3								4.3	4.6
NNW	.7	1.3	1.3	.7								4.0	6.9
VARBL													
CALM												24.7	
	37.3	21.0	15.7	7.3	.7	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 300

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS NOV
MONTH 06
CLASS ALL WEATHER
CONDITION 06
HOURS (LST) 06

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.0	3.0	2.0								9.7	6.6
NNE	2.0	1.3	1.0	.3								4.7	4.9
NE	.7	2.0	1.3	.7								4.7	7.0
ENE	1.7	.7	.7									3.0	3.9
E	7.0	2.3	.3									9.7	3.1
ESE	7.0	.7	.3									7.7	2.7
SE	2.7	1.7	.7	.3								5.3	4.3
SSE	.3	1.3	2.3			.3						6.3	7.9
S	1.3	1.3	2.3	1.0								6.0	7.1
SSW	1.0	.7	.7	1.7								4.0	7.5
SW	2.0	.7		1.0								3.7	5.3
WSW	1.7	.3										1.7	3.0
W	2.3	.3	1.7	.3								4.7	5.6
WNW	.3	.3	1.3									2.0	6.5
NW	2.0	2.3	1.0									5.3	4.6
NNW	1.7	1.0	.7	.7	.3							4.3	6.3
VARBL													
CALM												19.3	
	36.0	18.7	17.3	8.0	.3	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME XX-82 YEARS NOV
MONTH 09
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.7	3.7	1.0	.3							8.0	7.9
NNE	1.3	2.0	1.7	.7								5.7	6.5
NE	1.7	3.3	2.3	.7								8.2	6.2
ENE	1.3	1.7	1.0									4.5	4.9
E		1.7	2.0									3.7	6.8
ESE	2.3	2.3	.7									5.3	4.3
SE	1.3	2.3	1.0	1.0								7.7	5.6
SSE	2.0	1.3	1.7	1.0								6.0	6.9
S	1.3	7.3	4.3	2.0								15.0	6.8
SSW	.3	1.3	2.7	1.7								.7	8.6
SW	.3		1.3	.7								2.3	8.9
WSW	.7	.7	1.0	.3		.3						3.0	8.6
W	2.7	1.0	2.0	.7								6.3	5.6
WNW	1.0	1.0	2.0	1.0								5.0	7.7
NW	.7	1.7	1.3	1.7								5.3	8.1
NNW		1.7	1.7	1.0								4.3	8.0
VARBL													
CALM												4.7	
	10.3	32.0	30.3	13.0	.3	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07030 MEMPHIS, TN STATION NAME 73-82 YEARS NOV MONTH 12 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	2.7	1.7								6.3	6.3
NNE	1.0	2.7	1.3	.7								5.7	6.2
NE	.7	2.0	1.7									4.3	5.9
ENE	.7	1.7	1.3									3.7	5.7
E	1.0	2.7	.7	1.0								7.3	5.0
ESE	.3	2.3	.7	.7								4.0	7.0
SE	.7	.7	1.0	.3	.3							1.0	7.6
SSE	.7	2.0	2.3	.7	.3							6.0	7.2
S	1.7	4.3	4.3	3.3								13.7	7.6
SSW	1.7	2.3	2.3	3.3	.3							10.0	8.7
SW		2.0	1.7	2.0	.3	.3						6.3	10.4
WSW	.7	.7	1.7									3.0	6.4
W	1.0	1.3	2.0	1.3								5.7	7.8
WNW	1.3	1.7	2.0	1.3								6.3	7.7
NW	1.0	1.7	2.3	.7								5.7	7.0
NNW	.3	1.3	1.7	1.3								4.7	8.0
VARB													
CALM												4.3	
	15.0	31.0	29.7	18.3	1.3	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73239 MEMPHIS, TN STATION NAME 73-82 YEARS NOV
STATION 73239 STATION NAME 73-82 YEARS NOV
ALL WEATHER
CLAS
COUNTRY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	1.0	1.3								6.7	7.8
NNE	.7	3.0	2.3	1.3								7.3	7.3
NE	.7	1.7	1.0	.7								4.0	6.8
NNE	1.0	1.0										2.0	3.3
E	.7	3.0	1.0	1.0								5.7	6.1
ESE	1.0	.7	1.0									2.7	5.5
SE	2.0	1.7	.7	.7	.3							5.3	6.9
SSE	.3	1.7	3.0	1.3								8.3	8.2
S	2.0	4.3	2.7	4.0								13.0	7.8
SSW	1.3	2.3	2.3	2.7	.7	.3						9.7	8.8
SW	2.0	.3	2.0	.7	.3							5.3	6.9
WSW	1.0	.3	2.7	.3	.7							5.0	9.1
W	1.3	.3	.7	1.3								3.7	7.3
WNW	1.7	1.7	2.7	2.7								8.0	8.9
NW	.7	.3	3.0	1.0	.3							5.3	8.5
NNW		2.3	1.7	1.3								5.3	7.9
VARBL													
CALM												4.7	
	17.3	25.3	29.7	20.3	2.3	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 330

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27330 NAME MEMPHIS, TN YEARS 73-82 MONTH NOV
STATION NAME CLASS ALL WEATHER MONTH 18
CONDITION 18
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.3	3.3	3.0	.7								13.3	4.8
NNE	1.7	3.7	1.3									6.7	4.8
NE	2.7	1.3										4.0	3.3
ENE	2.0	.7	.3									3.0	3.1
E	4.0	1.7		.3								6.0	3.1
ESE	3.0	2.0	.3	.3								5.7	3.9
SE	2.3	2.3	1.7	.3								6.7	5.2
SSE	2.3	1.0	1.3	.3	.3							7.3	6.0
S	3.3	3.7	1.7	1.7								10.3	5.8
SSW	1.0	1.3	.3	.3								3.0	5.0
SW	1.3	1.0		.3								2.7	4.1
WSW	1.3	.3	.3		.3							2.3	3.7
W	1.7	1.0	.3	1.0								4.3	6.1
WNW	1.7	.7	.7	.7								3.7	5.6
NW	1.7	.3	1.0	.7								3.7	6.1
NNW	1.3	1.3	.3		.3							3.3	5.3
VARB.													
CALM												14.0	
	37.7	7.7	13.0	6.7	1.0							120.0	4.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

01039
STATION

MEMPHIS, TN

STATION NAME

73-02

YEARS

NOV
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	4.0	2.7	1.3								11.0	5.7
NNE	1.3	2.3	.7									4.3	4.6
NE	2.0	1.0										3.0	3.4
NNE	.7	.7		.3								1.7	5.4
E	5.7	2.7	.3									8.7	3.0
ESE	6.7	1.7	.3	.3								7.3	3.6
SE	1.3	2.3	1.3	.3								7.3	4.6
SSE	2.0	1.3	1.7	1.0								6.0	6.7
S	1.3	3.7	2.3	1.3	.7	.3						9.3	8.0
SSW	1.7	2.0	.7	.3								4.7	4.9
SW	.7	.3		.3								1.3	6.5
WSW	.7	.7	.3									1.3	5.8
W	1.0	1.3	1.0	.3	.3							4.0	7.6
WNW	1.0	.7	.3	.7								2.7	5.9
NW	.7	1.0	1.0	.3	.3							3.3	7.7
NNW	1.3		1.7	.7								3.7	6.9
VARBL													
CALM												20.3	
	30.7	25.7	14.3	7.3	1.3	.3						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEARS NOV
MONTH NOV
CLASS ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.7	1.0	1.2	.0							9.4	6.3
NNE	1.2	2.2	1.2	.4								5.1	5.7
NE	1.2	1.9	1.0	.4								4.6	5.7
ENE	1.1	1.0	.5	.1								2.7	4.6
E	4.0	2.1	.5	.3								6.9	3.9
ESE	3.0	1.3	.6	.2								5.5	3.8
SE	2.5	2.0	1.2	.5	.1							6.2	5.3
SSE	1.1	1.7	2.2	.7	.1	.0						5.7	6.9
S	1.6	3.5	2.3	2.1	.2	.0						10.2	7.5
SSW	1.7	1.5	1.2	1.3	.2	.1						5.6	7.6
SW	.9	.7	.8	.7	.1	.0						3.2	7.3
WSW	.9	.5	1.0	.2	.1	.0						2.7	6.9
W	1.5	1.0	1.2	.8	.0							4.6	6.6
WNW	1.1	1.0	1.3	.8								4.2	6.9
NW	1.2	1.2	1.5	.6	.1							4.5	6.5
NNW	.9	1.2	1.2	.8	.1							4.2	7.2
VARBL													
CALM												14.5	
	26.7	25.4	21.2	10.9	1.1	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2900

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-62 YEARS DEC
MONTH 00
CLASS ALL WEATHER
ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.3	2.6	2.6	.6							11.7	7.6
NNE	.6	1.6	.3	.3								2.9	5.1
NE	.0	1.6										2.3	3.6
NNE	1.7	1.6										2.6	3.8
E	4.5	2.6										7.1	3.1
ESE	1.7	1.3	.3									2.9	4.2
SE	2.0	1.5	1.7	1.3	.3							6.8	6.5
SSE	2.3	2.6	4.9	1.3								11.0	6.8
S	1.6	4.2	1.7	2.9	.6							10.4	8.1
SSW	.3	1.7	1.7	1.3	.3							3.2	8.8
SW	1.6	.6	.3	.6								3.2	5.5
WSW	1.7	1.7	.6	.6								3.2	6.8
W	.6	1.7	1.6	.6								3.9	7.7
WNW	.3	.3	.6	.6	.3							2.3	9.7
NW	1.7	.6	.3	1.7	.3							3.2	8.2
NNW	.3	2.3	1.7	.6								8.2	7.1
VARBL													
CALM												17.5	
	22.7	26.5	16.8	13.9	2.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 109

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-92 YEARS DEC
ALL WEATHER NORTH
CLAS 22
ORIGIN HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.9	1.9	2.9								9.7	6.8
NNE	1.0	.5	1.3	.3								3.2	6.0
NE	1.0	1.4	.3									2.9	4.6
ENE	.6	1.0										1.6	4.0
E	4.7	2.9		.3								7.4	3.7
ESE	4.7	1.0	.6		.3							6.1	4.1
SE	1.6	2.9	1.0	1.0	.3							6.8	6.4
SSE	1.3	1.9	2.2	1.6								7.1	7.1
S	1.6	4.2	2.2	1.3								9.7	7.1
SSW	1.6	1.3	1.3	.6	.3							4.5	7.7
SW	1.6	.3	1.0	1.3								4.2	6.7
WSW	.6	.3		.6	.3							1.7	9.2
W	.6	1.6	1.3	.6								4.2	6.2
WNW	1.7	1.0	1.6	.6								4.2	7.5
NW	1.7	.6	1.6	.6								3.9	6.8
NNW	.6	2.3	1.9	.3	.3							5.5	7.2
VARB													
CALM												16.8	
	24.3	25.6	19.4	12.3	1.6							100.2	6.3

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION W. W. H. S. T. N. STATION NAME 73-PT YEARS DEC
CLASS ALL WEATHER MONTH 06
COGNITION NOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.6	2.3	2.3								9.4	6.9
NNE	1.0	1.0	.6									2.6	4.5
NE	1.7	1.7	1.0									3.5	4.7
ENE	1.6	.7	.5									2.6	4.4
E	4.5	4.2	1.7									9.7	3.4
ESE	2.5	2.9	.3									6.1	3.5
SE	3.2	2.9	1.8	1.7								9.7	5.2
SSE	.7	1.9	1.6	1.0								4.9	7.4
S	1.5	3.5	1.0	.6								7.7	5.8
SSW	1.7	1.0	.6	1.0	.3							4.2	7.5
SW	1.7	.3	1.7	.3								3.2	6.2
WSW	.3		1.0	.3								1.6	4.6
W	.6	.5	1.6	.6								3.5	7.2
WNW	.6	1.6	1.7	1.0								4.5	7.1
NW	.6	1.0	2.7	.6								4.5	7.5
NNW	1.6	1.3	1.3	1.0	.3							5.0	7.5
VARBL													
CALM												16.6	
	25.1	26.1	20.6	9.7	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 77-62 YEARS DEC
MONTH 09
HOURS (LST) 09
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	3.2	1.0	.3							10.6	7.6
NNE	.7	1.1	1.3	.3								3.5	6.5
NE	1.0	1.0	.7									2.3	4.7
NNE	.7	1.0	1.6									2.9	6.6
E	2.3	2.7	1.6	.3								6.5	5.1
ESE	1.0	1.9	1.7									4.2	5.5
SE	1.0	2.3	1.6	2.3								7.4	8.1
SSE	1.0	2.6	5.2	.3								9.4	6.8
S	2.6	5.2	3.5	2.6								14.2	6.7
SSW	1.0	.6	1.7	.6								3.5	7.0
SW	1.0	1.6	1.7	1.0	.3							5.2	7.8
WSW	.3	1.7	1.6	.3								3.5	6.8
W	.7	1.7	1.0	.6								2.9	7.6
WNW	.6	1.3	1.9	.6								4.5	7.2
NW	.6	1.0	1.0	1.2								5.6	9.6
NNW	.6	1.6	3.2	1.3	.6							7.4	8.9
VARS													
CALM												6.1	
	15.8	30.0	31.3	15.5	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEAR DEC
MONTH 12
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	3.2	1.6	.3							8.7	6.1
NNE	.6	1.3	1.3									3.2	5.9
NE		1.0	1.6									2.6	6.5
ENE	.7	2.3										2.6	4.9
E	1.0	1.3	1.3									3.2	3.2
ESE	1.0	.6	1.3									2.9	5.3
SE	.3	1.3	1.0	1.6								4.8	4.6
SSE	1.3	.6	3.2	1.6	.3							6.8	8.9
S	1.3	1.5	5.6	6.5	.3							15.5	8.8
SSW	.6	2.6	3.9	3.2	.3							10.6	9.0
SW	.6	.6	1.3	1.3	.3							4.2	8.8
WSW	.6	.3	2.3	1.3								4.5	8.7
W	1.0	1.9	.6	1.3								4.8	7.3
WNW		1.3	2.6	2.2								6.8	12.0
NW	1.0	1.9	1.6	1.6								8.1	7.4
NNW	.3	1.0	3.2	2.6								7.1	9.4
VARBL													
CALM												5.6	
	12.6	23.5	35.2	23.5	1.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 315

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-42 YEARS DEC
CLASS ALL WEATHER HOURS (LST) 15
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.3	2.3	.3							8.7	5.0
NNE	.5	1.5	1.5	.6								4.5	7.0
NE	.3	.5	.7									1.3	3.0
ENE	.5	.7	.6									1.6	4.6
E	.1	2.3	2.3									4.8	6.4
ESE	1.3	1.3	.3	.6								3.5	6.1
SE	.3	.5	1.5	1.7								3.0	3.8
SSE	1.1	1.5	1.5	2.7	.6							9.4	4.7
S	.5	1.5	4.7	3.5								11.2	9.6
SSW	.5	1.2	2.5	1.3	.3							8.4	7.7
SW	.1	1.7	2.7	1.9	.3							7.4	8.1
WSW	.1	1.3	1.5	.3								3.0	7.0
W	1.1	4.2	2.5	.5								8.4	6.5
WNW	.5	1.3	2.5	1.0								5.1	7.6
NW	1.1	1.5	1.7	1.6	.3							5.2	8.4
NNW	1.1	2.5	2.3	2.5	.5							9.7	8.9
VARB													
CALM												2.6	
	11.5	28.4	32.5	21.9	2.6							150.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-52 YEARS DEC
MONTH 19
HOURS (L.S.T.) 19
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.2	1.7	2.6	.3							11.7	6.4
NNE	2.6	1.7	.3	.3								4.5	4.1
NE	2.6	1.7	.3									4.9	3.7
ENE	1.7	1.7										2.6	3.3
E	1.7	1.7	1.7									5.2	4.9
ESE	.6	2.6	1.7	1.7								5.5	6.2
SE	2.6	1.7	1.7	1.7								6.5	6.6
SSE	1.7	2.6	1.7	.3	.3							8.1	6.5
S	1.7	4.2	1.7	1.7	1.7							9.7	7.4
SSW	.6	1.7	1.7	.6								4.5	6.4
SW	2.6	1.7	.3									3.9	3.3
WSW	1.7	.6	.6	.3	.3							2.9	6.7
W	1.7	1.7	.3	1.7								5.2	5.3
WNW	1.7	2.6	1.7									4.9	5.2
NW	1.7	1.7	1.7	.6								4.9	6.7
NNW	2.6	1.7	1.7	.3								5.2	4.8
VARBL													
CALM												10.7	
	23.1	31.7	17.6	9.9	1.9							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 309

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MEMPHIS, TN STATION NAME 73-82 YEAR DEC
STATION MEMPHIS, TN STATION NAME 73-82 YEAR DEC
CLASS ALL WEATHER MONTH 21
CONDITION 21
HOURS (LST) 21

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.6	2.3	2.7	1.0							10.7	7.9
NNE	2.7	2.3	1.0									5.2	6.5
NE	1.3		1.0									2.3	5.1
ENE	1.6	.7	.7	.3								3.3	4.9
E	5.2	3.6	.3									9.1	3.9
ESE	2.9	1.6	.7									5.2	4.1
SE	3.6	1.3	2.9	2.7								9.8	6.6
SSE	1.7	2.3	2.9	1.0	.3							7.5	7.4
S	1.7	2.9	2.0	1.6								7.8	7.2
SSW	1.7	1.6	1.0	1.3	.3	.3						5.9	6.7
SW	1.3	.3	1.0									2.6	4.8
WSW		1.0		1.0								2.0	9.3
W	1.3	.3	.7	.3								2.3	4.9
WNW	.3	1.3	.7	1.3	.3							3.9	9.1
NW	.7	1.6	2.0	1.6								5.9	9.1
NNW	1.3	1.0	1.3		.3							3.9	6.4
VARBL													
CALM												12.7	
	25.0	23.5	19.9	13.4	2.3	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 307

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97619 STATION MEMPHIS, TN STATION NAME 73-82 YEARS DEC MONTH
ALL WEATHER CLASS ALL MONTHS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.7	2.4	2.4	.4							10.1	7.4
NNE	1.1	1.4	1.0	.2								3.7	5.4
NE	1.1	1.1	.6									2.7	4.6
ENE	1.0	1.0	.9	.0								2.5	4.6
E	3.0	2.6	1.0	.1								6.6	4.1
ESE	1.9	1.7	.8	.2	.0							6.6	4.6
SE	1.9	1.7	1.7	1.5	.1							7.0	6.9
SSE	1.3	2.0	3.4	1.2	.2							8.0	7.4
S	1.3	3.7	3.0	2.5	.2							10.9	7.7
SSW	.8	1.7	1.7	1.3	.2	.0						5.7	6.0
SW	1.3	.9	1.2	.8	.1							4.2	7.0
WSW	.6	.7	1.0	.6	.1							3.0	7.7
W	.2	1.6	1.2	.7								5.4	6.6
WNW	.6	1.3	1.5	1.0	.1							4.6	7.9
NW	.2	1.2	1.5	1.4	.1							4.9	7.9
NNW	1.1	1.6	2.1	1.1	.3							6.1	7.6
VARBL													
CALM												11.0	
	21.7	26.7	24.3	15.0	1.8	.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2474

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 02079 MEMPHIS, TN STATION NAME 73-82 YEARS ALL MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	2.4	2.2	1.2	.1	.0						8.4	6.3
NNE	1.4	1.3	1.3	.4	.0							4.9	5.7
NE	1.3	1.3	1.0	.3	.0							4.4	5.3
ENE	1.6	1.4	.6	.1								3.6	4.4
E	4.1	2.7	1.1	.2	.0							8.2	4.2
ESE	2.5	1.7	.0	.2	.0	.0						5.3	4.5
SE	2.1	1.9	1.1	.5	.1	.0						5.7	5.6
SSE	1.5	2.2	1.9	.7	.1	.0						6.5	6.5
S	1.6	3.0	2.0	1.9	.2	.1	.0					9.7	7.6
SSW	1.1	1.7	1.6	1.1	.2	.1	.0					5.7	7.8
SW	1.0	1.3	1.3	.8	.1	.0	.0					4.5	7.3
WSW	.7	.8	1.0	.5	.1	.0	.0					3.2	7.4
W	1.2	1.3	1.1	.6	.1	.0						4.3	6.4
WW	1.0	.8	.9	.5	.1	.0						3.3	6.6
NW	1.1	1.1	1.2	.7	.1	.0						4.2	6.8
NNW	1.2	1.3	1.3	.7	.1	.0						4.6	6.8
VARBL													
CALM												13.6	
	25.7	27.2	21.2	10.5	1.4	.3	.0					100.2	5.4

TOTAL NUMBER OF OBSERVATIONS 29203

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 41379 MEMPHIS, TN STATION NAME 73-82 YEARS ALL
INSTRUMENT CIG 200 TO 1400 FT W/VSEV 1/2 MI OR MORE MONTH ALL
CONDITION AND/OR VSEV 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.4	5.0	3.2	.3	.0						18.2	7.8
NNE	1.0	1.5	2.2	.7	.0							5.4	6.8
NE	1.0	1.8	1.3	.5	.0							4.7	6.2
ENE	1.1	1.8	.8	.3								4.0	5.4
E	2.7	2.4	1.7	.5	.1							7.3	5.4
ESE	1.3	1.3	1.1	.5	.1							4.8	6.1
SE	1.2	1.2	1.2	.9	.1	.0						4.6	6.9
SSE	.9	1.5	1.8	.9	.1							5.3	7.4
S	1.2	2.1	2.5	1.5	.2	.1	.0					7.5	7.9
SSW	.7	1.3	1.2	1.0	.2	.0						4.4	7.9
SW	.7	.9	1.2	.6	.1	.0						3.4	7.7
WSW	.6	.9	.7	.8	.2	.1	.0					2.9	7.9
W	.7	1.2	1.2	.6	.2	.0						3.9	7.8
WNW	.7	1.1	1.1	.5	.1	.0						3.6	6.8
NW	.9	1.7	1.7	1.2	.2	.0						5.7	7.8
NNW	1.0	1.8	2.4	1.9	.3							7.6	8.9
VARBL													
CALM												10.6	
	12.1	26.5	27.4	14.8	2.1	.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 3505

8806

NOKD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{5}{16}$	$\geq \frac{1}{8}$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100					95.4		96.9			98.3					100.0
0															

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	4.1	41.4	4.7	49.1	49.3	4.3	41.3	47.4	40.7	42.1	40.0	49.1	47.1	4.1	4.1
IV 20000	49.1	4.3	41.7	51.3	51.3	51.3	1.3	1.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	1.1
IV 18000	49.1	4.3	41.7	51.3	51.3	51.3	1.3	1.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	1.1
IV 16000	49.1	4.3	41.7	51.3	51.3	51.3	1.3	1.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	1.1
IV 14000	49.1	4.3	41.7	51.3	51.3	51.3	1.3	1.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	1.1
IV 12000	47.7	51.3	41.6	51.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	5.3
IV 10000	42.7	54.2	34.5	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 9000	42.7	54.2	34.5	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 8000	45.5	57.1	37.4	54.1	55.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 7000	45.5	57.1	37.4	54.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 6000	54.1	54.1	56.4	56.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 5000	57.1	55.4	57.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 4500	58.4	60.7	61.0	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4000	59.7	62.3	62.6	62.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3500	61.3	63.9	64.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 3000	62.3	65.3	66.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 2500	65.3	69.7	67.2	70.3	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	66.1	72.3	72.6	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1800	66.1	72.9	73.6	74.4	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1500	70.0	74.5	75.5	77.1	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	71.3	74.1	77.1	76.7	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1000	73.9	77.7	80.7	82.3	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 900	74.2	77.4	81.9	83.9	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 800	74.5	80.3	82.9	84.8	85.2	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 700	75.3	81.3	84.2	86.1	86.3	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 600	75.3	81.3	84.2	86.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 500	75.5	81.9	85.2	87.7	88.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 400	75.8	82.3	85.5	88.1	88.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 300	76.1	82.6	85.8	88.7	89.4	91.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 200	76.5	82.9	86.1	89.0	89.7	91.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 100	76.5	82.9	86.1	89.0	89.7	91.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 0	76.5	82.9	86.1	89.0	89.7	91.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L E Y

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	14.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 20000	52.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	49.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	45.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000	41.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	37.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000	33.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 9000	29.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 8000	25.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 7000	21.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 6000	17.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 5000	13.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	9.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4000	5.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 3500	1.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 3000	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 2500	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 2000	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1800	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1500	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1200	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 1000	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 900	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 800	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 700	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 600	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 500	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 400	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 300	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 200	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 100	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 0	0.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

YEARS

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING		42.5	43.4	44.2	44.5	45.2	47.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 6000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 5000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4300		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2500		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1800		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1500		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1200		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1000		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 900		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 800		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 700		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 600		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 500		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 400		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 300		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 200		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 100		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 0		45.5	47.4	48.4	48.7	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 18000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 16000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 12000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 10000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 9000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 8000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 7000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 6000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 5000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4500	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3500	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 2500	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 2000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1800	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1500	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1200	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 900	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 800	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 700	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 600	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 500	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 400	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 300	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 200	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 100	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 0	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING
IV 20000
IV 18000
IV 16000
IV 14000
IV 12000
IV 10000
IV 9000
IV 8000
IV 7000
IV 6000
IV 5000
IV 4500
IV 4000
IV 3500
IV 3000
IV 2500
IV 2000
IV 1800
IV 1500
IV 1200
IV 1000
IV 900
IV 800
IV 700
IV 600
IV 500
IV 400
IV 300
IV 200
IV 100
IV 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.1	30.5	34.5	37.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	66.2	46.2	46.5	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 18000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 14000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 12000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 10000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 9000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 8000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 7000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 6000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 5000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 4500	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 4000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3500	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 2500	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 2000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1800	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1500	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1200	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 1000	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 900	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 800	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 700	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 600	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 500	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 400	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 300	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 200	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 100	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 0	46.2	46.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.5	42.5	42.9	42.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 18000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 16000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 12000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 10000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 9000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 8000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 7000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 6000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 5000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 4500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 4000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 3500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 3000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 2500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 2000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1800	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1200	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 900	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 800	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 700	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 600	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 500	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 400	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 300	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 200	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 100	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	47.1	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 18000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 16000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 14000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 12000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 10000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 9000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 8000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 7000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 6000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 5000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 4500	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 4000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 3500	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 3000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 2500	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 2000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 1800	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 1500	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 1200	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 1000	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 900	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 800	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 700	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 600	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 500	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 400	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 300	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 200	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 100	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 10	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
W 0	51.7	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6

TOTAL NUMBER OF OBSERVATIONS

21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5.1
HOURS (C. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	41.5	42.5	42.6	43.2	43.7	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5
≥ 20000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 18000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 16000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 14000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 12000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 10000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 9000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 8000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 7000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 6000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 5000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 4500	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 4000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 3500	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 3000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 2500	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 2000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1800	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1500	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1200	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 900	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 800	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 700	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 600	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 500	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 400	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 300	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 200	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 100	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5

TOTAL NUMBER OF OBSERVATIONS

20

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	47.5	44.7	55.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	1.3	53.6	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	1.4	53.6	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	1.4	53.6	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	1.4	53.6	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	2.1	54.6	55.3	55.7	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 10000	56.3	58.5	59.6	59.9	59.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	57.1	59.6	60.6	61.3	61.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 8000	57.3	62.4	63.4	64.2	64.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	61.3	63.5	64.2	65.3	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 6000	61.4	63.8	65.3	65.6	65.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000	62.1	64.5	66.0	66.3	66.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	62.1	65.3	66.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000	63.6	67.7	68.3	69.2	69.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 3500	65.3	69.2	70.9	71.3	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3000	66.7	70.9	72.7	73.1	73.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 2500	68.1	72.3	74.1	74.8	74.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 2000	69.9	74.1	75.5	76.6	76.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	70.2	74.5	76.2	77.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 1500	72.7	77.7	80.1	80.2	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200	74.4	81.1	83.3	84.2	84.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	76.6	81.9	85.5	86.5	86.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 900	76.6	81.9	85.5	86.5	86.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 800	77.7	83.2	86.9	88.3	88.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	78.0	85.1	89.0	90.4	90.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600	79.4	85.5	89.1	91.5	91.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 500	79.4	85.5	89.1	91.5	91.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	79.4	85.5	91.1	92.6	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	79.4	85.5	91.1	92.6	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	79.4	85.5	91.1	92.6	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100	79.4	85.5	91.1	92.6	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 0	79.4	85.5	91.1	92.6	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 262

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FOMP410, TN

STATION NAME

77-22

YEARS

CE

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.5	44.8	45.2	44.3	49.3	47.3	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 16000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 14000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 7000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 6000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4500		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3500		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 2500		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 2000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1800		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1500		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1200		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 1000		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 900		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 800		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 700		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 600		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 500		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 400		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 300		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 200		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 100		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 0		47.5	50.7	52.1	51.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PERIOD

STATION NAME

DATE

YEAR

MONTH

DAY

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	43.6	44.3	44.7	44.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 18000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 16000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 14000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 12000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 10000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 9000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 8000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 7000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 6000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 5000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 4500	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 4000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 3500	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 3000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 2500	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 2000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 1800	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 1500	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 1200	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 1000	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 900	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 800	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 700	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 600	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 500	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 400	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 300	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 200	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 100	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 0	45.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6

TOTAL NUMBER OF OBSERVATIONS 252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

11-02

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.3	35.5	36.5	36.7	37.2	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 20000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 16000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 12000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 10000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 9000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 8000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 7000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 6000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 5000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 4500	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 4000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 3500	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 3000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 2500	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 2000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 1800	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 1500	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 1200	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 1000	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 900	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 800	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 700	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 600	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 500	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 400	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 300	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 200	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 100	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 0	40.1	42.9	44.0	44.3	44.7	45.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1

TOTAL NUMBER OF OBSERVATIONS 22

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MONTH

STATION NAME

YEAR

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	37.2	34.3	34.3	34.7	34.7	33.7	33.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	44.2	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 18000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 16000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 14000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 12000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 10000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 9000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 8000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 7000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 6000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 5000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 4500	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 4000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 3500	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 3000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 2500	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 2000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 1800	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 1500	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 1200	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 1000	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 900	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 800	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 700	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 600	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 500	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 400	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 300	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 200	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 100	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 0	44.3	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8

TOTAL NUMBER OF OBSERVATIONS 242

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: 73-12 YEARS: MONTH: PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.):

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	47.4	41.9	41.3	41.6	41.9	41.3	41.6	41.6	41.6	41.6	41.4	41.9	41.6	41.2	41.2
≥ 20000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 9000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 8000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 7000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 6000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 5000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 4500	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 4000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 3500	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 3000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 2500	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 2000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 1800	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 1500	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 1200	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 1000	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 900	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 800	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 700	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 600	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 500	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 400	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 300	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 200	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 100	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 0	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9

TOTAL NUMBER OF OBSERVATIONS: 2

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.5	41.1	41.1	41.1	41.1	41.1	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 18000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 16000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 14000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 12000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 9000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 8000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 7000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 6000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 5000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 4500	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 4000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 3500	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 3000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 2500	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 2000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 1800	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 1600	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 1400	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 1200	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 1000	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 900	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 800	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 700	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 600	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 500	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 400	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 300	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 200	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 100	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 0	42.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1

TOTAL NUMBER OF OBSERVATIONS 232

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.1	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3500	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1800	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1500	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1200	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1000	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 900	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 800	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 700	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 600	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 500	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 400	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 300	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 200	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 100	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 0	54.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 20000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 18000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 16000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 14000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 12000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 10000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 9000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 8000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 7000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 6000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 5000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 4500	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 4000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3500	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	1.4	47.3	64.3	80.4	88.7	94.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

731

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

ADAMS 704

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
MEMPHIS TENNESSEE (U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

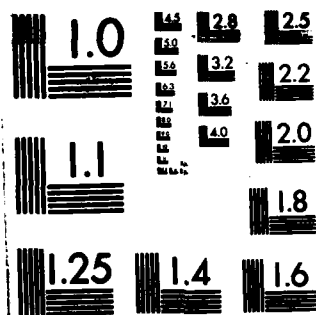
314

UNCLASSIFIED

F/G 4/2

NL

A 10x10 grid of squares. The top-left square is missing, creating a stepped shape on the left side. The grid consists of 10 rows and 10 columns. The first row has 9 squares (missing the first one). The second row has 10 squares. The third row has 10 squares. The fourth row has 10 squares. The fifth row has 10 squares. The sixth row has 10 squares. The seventh row has 10 squares. The eighth row has 10 squares. The ninth row has 10 squares. The tenth row has 10 squares.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME STATION YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING		43.2	44.2	44.5	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.6
≥ 18000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.6
≥ 16000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.6
≥ 14000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.6
≥ 12000		49.7	50.7	51.0	51.3	51.3	51.3	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.6
≥ 10000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 9000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 8000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 7000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 6000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 5000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 4500		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 4000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 3500		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 3000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 2500		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 2000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 1800		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 1500		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 1200		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 1000		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 900		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 800		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 700		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 600		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 500		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 400		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 300		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 200		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 100		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1
≥ 0		55.1	57.1	57.4	57.7	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.7	58.7	59.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-02

YEAR

MAP

ROUTE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

36
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		33.0	34.0	36.7	39.7	40.0	40.0	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	41.0
≥ 20000		37.4	41.3	43.6	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000		37.4	41.3	43.6	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000		37.4	41.3	43.6	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000		37.4	41.3	43.6	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000		37.4	41.3	43.6	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000		42.7	47.1	49.8	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000		42.7	47.1	49.8	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000		44.0	49.0	51.3	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000		44.0	49.0	51.3	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000		46.5	51.3	53.6	55.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 5000		50.7	55.8	58.1	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500		51.0	56.1	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000		54.9	60.3	62.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500		56.5	62.6	65.2	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000		59.7	65.8	69.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500		61.6	68.1	71.3	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2000		64.7	71.3	75.2	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800		65.2	72.3	76.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1500		67.4	74.5	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200		69.7	77.1	82.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000		71.3	79.6	84.8	88.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900		71.6	80.0	85.2	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800		71.6	80.0	85.2	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700		71.6	80.0	85.2	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600		71.6	80.0	85.2	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500		72.3	80.7	86.1	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 400		72.3	80.7	86.1	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 300		72.3	80.7	86.1	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200		72.3	80.7	86.1	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100		72.3	80.7	86.1	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 0		72.3	80.7	86.1	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
7539

MEMPHIS, TN

STATION NAME

73-82

YEARS

MAX

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

119
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.7	35.8	36.1	36.8	36.8	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000	41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000	41.3	44.2	45.2	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	42.6	45.5	46.5	47.4	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	45.5	49.7	49.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	45.5	49.7	49.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	47.7	51.9	52.6	53.9	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	48.7	52.3	53.6	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 6000	49.4	52.9	54.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	52.6	56.5	58.4	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500	53.9	57.7	59.7	61.3	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000	55.2	59.4	61.3	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	56.8	61.0	62.9	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3000	58.4	62.6	65.5	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500	61.3	66.1	68.0	70.7	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000	66.5	71.6	74.5	76.5	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800	67.4	72.6	75.5	77.4	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500	72.6	74.4	82.6	85.3	85.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	73.9	81.9	84.5	87.1	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	75.5	82.9	87.1	91.0	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	75.5	82.9	87.1	91.0	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	75.5	83.2	87.7	91.0	91.9	92.6	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	75.5	83.2	88.7	92.6	93.6	94.8	95.5	95.5	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	75.5	83.2	88.7	92.6	93.6	94.8	95.5	95.5	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	75.5	83.2	89.0	93.2	94.2	95.8	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

214

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 73-92 YEARS MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 14000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 12000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 10000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 9000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 8000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 7000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 6000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 5000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 4500	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 4000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 3500	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 3000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 2500	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 2000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1800	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1500	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1200	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1000	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 900	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 800	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 700	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 600	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 500	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 400	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 300	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 200	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 100	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 0	37.4	34.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-02

YEAR

440

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

NOV 15 1971

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	90.7	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
18000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
16000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
14000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
12000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
10000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
9000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
8000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
7000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
6000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
5000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
4500	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
4000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
3500	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
3000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2500	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1800	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1500	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1200	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
1000	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
900	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
800	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
700	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
600	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
500	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
400	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
300	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
200	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
100	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
0	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

77-82

YEAR

MONTH

12

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	38.7	30.4	30.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 20000	51.2	52.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000	51.2	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 16000	51.2	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 14000	52.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	54.2	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	57.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	57.1	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 8000	60.7	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	61.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	62.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 5000	63.2	65.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500	65.2	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4000	66.8	69.0	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 3500	68.4	70.7	71.0	71.9	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3000	72.6	75.8	76.1	78.1	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	74.9	73.7	79.7	82.3	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	77.7	81.9	83.2	85.8	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800	79.0	83.2	84.5	87.1	87.7	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500	81.0	85.5	86.8	89.4	90.0	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	82.4	87.4	89.3	91.9	92.9	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1000	82.9	87.7	90.0	93.2	94.2	94.5	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	82.9	87.7	90.0	93.2	94.2	94.5	94.5	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0	82.9	88.1	90.0	93.2	94.5	94.8	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
MEMPHIS, TN

STATION NAME

73-P2

YEARS

MONTHS
21

HOURS (L & V)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000		50.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 18000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 16000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 14000		58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IN 12000		59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IN 10000		63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IN 9000		63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IN 8000		66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IN 7000		67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IN 6000		67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IN 5000		70.7	71.9	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IN 4500		71.2	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IN 4000		73.2	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IN 3500		73.4	75.2	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IN 3000		77.4	79.4	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IN 2500		77.1	81.0	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IN 2000		80.7	82.3	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IN 1800		81.2	83.6	84.5	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IN 1500		82.3	84.8	86.1	88.1	88.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IN 1200		82.4	85.8	87.4	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IN 1000		82.6	86.5	88.4	91.6	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IN 900		83.2	87.7	89.7	93.2	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IN 800		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 700		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 600		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 500		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 400		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 300		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 200		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 100		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 0		83.6	88.1	90.3	93.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
MEMPHIS, TN

STATION NAME

75-52

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & N)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 20000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 18000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 16000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 14000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 12000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 10000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 9000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 8000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 7000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 6000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 5000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 4500	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 4000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 3500	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 3000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 2500	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 2000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 1800	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 1500	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 1200	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 1000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 900	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 800	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 700	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 600	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 500	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 400	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 300	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 200	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 100	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1

TOTAL NUMBER OF OBSERVATIONS

24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
≥ 20000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 18000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 16000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 14000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 12000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 10000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 9000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 8000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 7000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 6000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 5000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4500		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3500		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2500		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1800		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1500		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1200		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1000		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 900		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 800		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 700		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 600		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 500		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 400		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 300		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 200		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 100		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 0		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS 272

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION MEMPHIS, TN STATION NAME 73-42 YEARS 1949 MONTH 1
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	55.3	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IN 20000	52.0	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 18000	52.0	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 16000	52.0	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 14000	52.0	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 12000	52.0	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IN 10000	67.0	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 9000	67.0	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 8000	67.0	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 7000	67.0	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 6000	67.0	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 5000	72.0	74.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IN 4500	72.0	74.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IN 4000	72.0	74.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IN 3500	76.0	79.7	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IN 3000	80.0	83.7	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IN 2500	81.0	84.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 2000	82.0	85.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IN 1800	82.0	85.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IN 1500	82.0	85.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IN 1200	84.0	87.7	89.7	90.7	90.7	91.3	91.3	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IN 1000	85.0	88.7	91.3	92.3	92.3	93.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0
IN 900	85.0	88.7	91.3	92.3	92.3	93.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0
IN 800	85.0	88.7	91.3	92.3	92.3	93.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0
IN 700	86.0	89.7	92.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IN 600	86.0	89.7	92.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IN 500	87.0	91.3	93.7	94.7	94.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 400	87.0	91.3	93.7	94.7	94.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 300	87.0	91.3	93.7	94.7	94.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 200	87.0	91.3	93.7	94.7	94.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 100	87.0	91.3	93.7	94.7	94.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 0	87.0	91.3	93.7	94.7	94.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION: YEARS: MONTH: HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	41.7	44.7	47.3	47.3	47.7	48.3	48.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	42.7	52.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 18000	42.7	51.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	40.7	52.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	36.7	54.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	30.7	54.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 10000	31.7	57.7	59.7	60.7	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	31.7	57.7	60.7	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	31.7	62.7	64.7	66.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	31.7	64.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	31.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	31.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	32.7	67.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	31.7	67.7	72.7	72.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	40.7	71.7	74.7	75.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	67.7	73.7	77.7	79.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	41.7	75.7	79.7	81.7	82.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	30.7	77.7	81.7	84.7	85.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	31.7	77.7	82.7	84.7	85.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	22.7	79.7	84.7	86.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	22.7	81.7	84.7	87.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1000	24.7	81.7	86.7	89.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	24.7	81.7	86.7	89.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	24.7	82.7	87.7	89.7	91.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 700	24.7	82.7	87.7	89.7	91.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 600	24.7	82.7	87.7	90.7	91.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	24.7	82.7	87.7	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 400	24.7	82.7	87.7	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 300	24.7	82.7	87.7	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 200	24.7	82.7	87.7	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 100	24.7	82.7	87.7	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 0	24.7	82.7	87.7	90.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 16000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 14000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 10000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 9000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 8000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 7000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 6000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 5000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 4500	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 4000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 3500	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 3000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 2500	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 2000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1800	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1500	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1200	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 1000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 900	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 800	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 700	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 600	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 500	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 400	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 300	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 200	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 100	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

1952

YEAR

AD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.2	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IN 18000	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IN 16000	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IN 14000	55.3	55.7	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IN 12000	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IN 10000	60.7	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IN 9000	61.0	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IN 8000	61.7	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IN 7000	62.7	64.0	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IN 6000	63.0	64.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IN 5000	64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IN 4500	64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IN 4000	66.3	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IN 3500	69.3	71.0	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IN 3000	74.3	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IN 2500	81.7	84.7	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 2000	81.7	84.7	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 1800	86.3	88.3	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IN 1500	88.3	91.7	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IN 1200	91.7	93.0	93.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IN 1000	94.3	96.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 900	96.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 800	96.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 700	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 600	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 500	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 400	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 300	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 200	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 100	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-82

YEARS

AP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 18000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000		56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 10000		63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000		63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 8000		66.7	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 7000		67.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000		67.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000		67.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3000		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 2500		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 2000		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 1800		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 1500		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 1200		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 1000		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 900		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 800		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 700		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 600		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 500		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 400		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 300		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 200		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 100		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 0		68.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7

TOTAL NUMBER OF OBSERVATIONS 1511

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-82

YEARS

19

MONTH

12

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	48.3	44.7	49.7	48.7	48.7	46.7	45.7	44.7	44.7	46.7	45.7	43.7	43.7	48.7	44.7	44.7
≥ 20000	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	64.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	65.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	67.3	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 9000	67.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000	69.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	72.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	72.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 5000	73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	73.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	75.3	77.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	77.3	79.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	81.0	83.0	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2500	84.0	86.0	87.7	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	87.3	90.0	91.7	92.3	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	87.7	90.3	92.0	92.7	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	88.3	91.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	89.7	91.7	93.3	94.0	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	89.3	92.3	94.3	95.3	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	89.3	92.3	94.3	95.3	95.3	95.3	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 800	90.0	93.0	95.0	96.0	96.0	96.0	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 700	90.0	93.0	95.0	96.0	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7
IV 600	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 500	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 400	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 300	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 200	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 100	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 0	90.3	93.3	95.3	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
MEMPHIS, TN

STATION NAME

13-62

YEARS

AP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		4.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 20000		3.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000		3.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000		3.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000		3.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000		3.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000		64.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000		64.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1200		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 900		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS

250

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PERIOD

STATION NAME

YEARS

YEARS

DATE

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	45.7	47.5	49.3	51.1	52.9	54.7	56.5	58.3	60.1	61.9	63.7	65.5	67.3	69.1	70.9	72.7
≥ 20000	58.1	59.7	61.3	62.9	64.5	66.1	67.7	69.3	70.9	72.5	74.1	75.7	77.3	78.9	80.5	82.1
IV 18000	53.1	54.7	56.3	57.9	59.5	61.1	62.7	64.3	65.9	67.5	69.1	70.7	72.3	73.9	75.5	77.1
IV 16000	58.1	59.7	61.3	62.9	64.5	66.1	67.7	69.3	70.9	72.5	74.1	75.7	77.3	78.9	80.5	82.1
IV 14000	59.6	61.2	62.8	64.4	66.0	67.6	69.2	70.8	72.4	74.0	75.6	77.2	78.8	80.4	82.0	83.6
IV 12000	59.6	61.2	62.8	64.4	66.0	67.6	69.2	70.8	72.4	74.0	75.6	77.2	78.8	80.4	82.0	83.6
IV 10000	63.3	64.9	66.5	68.1	69.7	71.3	72.9	74.5	76.1	77.7	79.3	80.9	82.5	84.1	85.7	87.3
IV 9000	63.3	64.9	66.5	68.1	69.7	71.3	72.9	74.5	76.1	77.7	79.3	80.9	82.5	84.1	85.7	87.3
IV 8000	66.4	68.0	69.6	71.2	72.8	74.4	76.0	77.6	79.2	80.8	82.4	84.0	85.6	87.2	88.8	90.4
IV 7000	67.4	69.0	70.6	72.2	73.8	75.4	77.0	78.6	80.2	81.8	83.4	85.0	86.6	88.2	89.8	91.4
IV 6000	64.7	66.3	67.9	69.5	71.1	72.7	74.3	75.9	77.5	79.1	80.7	82.3	83.9	85.5	87.1	88.7
IV 5000	69.4	71.0	72.6	74.2	75.8	77.4	79.0	80.6	82.2	83.8	85.4	87.0	88.6	90.2	91.8	93.4
IV 4500	70.0	71.6	73.2	74.8	76.4	78.0	79.6	81.2	82.8	84.4	86.0	87.6	89.2	90.8	92.4	94.0
IV 4000	72.3	73.9	75.5	77.1	78.7	80.3	81.9	83.5	85.1	86.7	88.3	89.9	91.5	93.1	94.7	96.3
IV 3500	73.4	75.0	76.6	78.2	79.8	81.4	83.0	84.6	86.2	87.8	89.4	91.0	92.6	94.2	95.8	97.4
IV 3000	77.4	79.0	80.6	82.2	83.8	85.4	87.0	88.6	90.2	91.8	93.4	95.0	96.6	98.2	99.8	100.0
IV 2500	79.5	81.1	82.7	84.3	85.9	87.5	89.1	90.7	92.3	93.9	95.5	97.1	98.7	100.0	100.0	100.0
IV 2000	81.7	83.3	84.9	86.5	88.1	89.7	91.3	92.9	94.5	96.1	97.7	99.3	100.0	100.0	100.0	100.0
IV 1800	82.2	83.8	85.4	87.0	88.6	90.2	91.8	93.4	95.0	96.6	98.2	99.8	100.0	100.0	100.0	100.0
IV 1600	83.6	85.2	86.8	88.4	90.0	91.6	93.2	94.8	96.4	98.0	99.6	100.0	100.0	100.0	100.0	100.0
IV 1400	84.6	86.2	87.8	89.4	91.0	92.6	94.2	95.8	97.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	85.8	87.4	89.0	90.6	92.2	93.8	95.4	97.0	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	85.8	87.4	89.0	90.6	92.2	93.8	95.4	97.0	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	85.8	87.4	89.0	90.6	92.2	93.8	95.4	97.0	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	86.3	87.9	89.5	91.1	92.7	94.3	95.9	97.5	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	86.5	88.1	89.7	91.3	92.9	94.5	96.1	97.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.7	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-32

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

70
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.7	57.2	56.1	56.5	56.5	56.5	56.9	56.8	56.6	56.4	56.8	57.1	57.1	57.1	57.1	57.1
≥ 20000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 18000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 16000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 14000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 12000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 10000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 9000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 8000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 7000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 6000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 5000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 4500	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 4000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 3500	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 3000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 2500	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 2000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 1800	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 1500	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 1200	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 1000	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 900	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 800	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 700	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 600	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 500	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 400	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 300	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 200	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 100	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5
IV 0	56.1	56.9	56.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5

TOTAL NUMBER OF OBSERVATIONS

70

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-32

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		46.7	53.6	55.5	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000		54.3	62.7	65.5	67.1	67.1	67.1	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1
IN 18000		54.7	62.9	65.8	67.4	67.4	67.4	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
IN 16000		54.2	62.9	65.8	67.4	67.4	67.4	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
IN 14000		54.2	62.9	65.8	67.4	67.4	67.4	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4
IN 12000		56.1	64.8	67.7	69.4	69.4	69.4	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
IN 10000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 9000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 8000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 7000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 6000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 5000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 4500		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 4000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 3500		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 3000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 2500		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 2000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 1800		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 1500		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 1200		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 1000		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 900		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 800		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 700		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 600		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 500		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 400		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 300		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 200		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 100		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5
IN 0		59.7	69.4	72.6	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

4540413

STATION NAME

73-52

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOVUS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	41.7	45.8	49.4	50.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	47.4	47.7	53.6	57.1	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	47.4	47.7	53.6	57.1	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	47.4	47.7	53.6	57.1	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000	47.4	47.7	53.6	57.4	58.4	60.7	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2500	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1800	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1500	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1200	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1000	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 900	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 800	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 700	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 600	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 500	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 400	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 300	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 200	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 100	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 0	47.4	47.7	53.6	57.4	58.4	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

1952

YEARS

NAV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (C & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	33.4	44.0	44.6	47.3	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 20000	50.0	50.2	54.1	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	44.0	50.2	54.1	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	44.0	50.2	54.1	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	44.0	50.2	54.1	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	45.3	51.9	56.2	57.3	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 10000	49.8	57.0	61.2	62.8	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	49.8	57.3	61.5	63.1	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	55.7	63.8	64.9	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000	55.7	63.8	64.9	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	55.7	63.8	64.9	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 5000	56.0	64.1	69.3	71.2	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	56.0	64.4	69.6	71.5	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4000	56.3	66.7	72.8	74.8	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	56.4	67.6	73.8	75.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	56.6	69.3	75.7	77.7	78.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	61.2	71.5	73.0	79.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	64.1	74.8	81.6	83.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	65.1	75.7	82.5	84.5	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1600	67.3	73.5	85.8	88.1	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1400	67.3	79.9	87.4	89.6	90.6	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 700	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 200	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 100	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 0	67.6	80.3	88.4	90.9	92.6	93.5	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS 322

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-52

YEARS

424

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 16000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 6000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 5000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 4500	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 4000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 3500	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 3000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 2500	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 2000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 1800	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 1500	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 1200	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 1000	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 900	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 800	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 700	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 600	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 500	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 400	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 300	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 200	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 100	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 0	41.7	41.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.2	42.2	44.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
18000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
16000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
14000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
12000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
10000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
9000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
8000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
7000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
6000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
5000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
4500	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
4000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
3500	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
3000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2500	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
1800	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
1500	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
1200	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
1000	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
900	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
800	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
700	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
600	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
500	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
400	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
300	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
200	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
100	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
0	42.3	45.5	45.8	44.3	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 20000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 18000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 16000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 14000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 12000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 10000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 9000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 8000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 7000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 6000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 5000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 4500	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 4000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 3500	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 3000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 2500	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 2000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1800	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1500	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1200	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1000	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 900	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 800	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 700	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 600	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 500	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 400	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 300	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 200	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 100	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 0	47.5	40.1	30.1	20.1	10.1	6.1	4.1	3.1	2.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: STATION NAME: YEARS: MONTH: PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS 11 57

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	1.1	54.5	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	1.1	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
18000	1.1	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
16000	1.1	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
14000	1.1	64.5	67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
12000	1.1	67.4	69.0	69.0	69.0	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
10000	67.4	72.6	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
9000	67.4	72.6	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
8000	71.7	77.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000	71.7	77.7	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
6000	72.6	77.7	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
5000	74.2	81.3	84.2	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4500	75.2	82.6	85.5	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4000	76.5	84.2	87.4	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3500	77.4	85.5	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000	77.7	86.5	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2500	79.7	87.7	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2000	80.7	88.7	92.6	92.6	92.6	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1800	80.7	89.0	92.6	92.6	92.6	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1500	81.3	90.0	93.6	93.6	93.6	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1200	81.3	91.3	94.5	94.5	94.5	94.5	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
1000	81.3	91.3	94.5	94.5	94.5	94.5	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
900	81.3	91.3	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
800	81.3	91.3	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
700	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
600	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
500	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
400	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
300	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
200	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
100	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0	81.3	91.3	96.1	96.1	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 612

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME STATION YEARS MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	43.7	47.6	47.2	47.0	46.7	46.3	45.9	45.6	45.3	45.0	44.7	44.4	44.1	43.8	43.5	43.2
≥ 20000	41.1	57.2	59.3	60.3	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
18000	41.1	57.2	59.3	60.3	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
16000	41.1	57.2	59.3	60.3	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
14000	42.0	57.4	59.5	60.5	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
12000	43.4	58.1	61.4	62.4	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
10000	47.5	57.6	60.0	67.1	67.3	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
9000	57.7	64.0	66.4	67.5	67.9	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
8000	62.2	68.9	71.4	71.1	73.3	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
7000	62.7	69.5	72.0	71.8	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
6000	63.1	70.0	73.0	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
5000	64.1	71.2	74.8	75.6	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
4500	64.5	71.1	75.2	76.6	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4000	64.8	71.3	77.7	78.3	79.9	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
3500	67.7	77.7	80.3	80.8	81.4	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
3000	70.5	77.9	82.8	84.5	85.0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2500	71.9	81.7	84.8	86.5	87.1	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2000	73.7	82.9	87.2	87.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800	73.8	83.1	87.4	89.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1500	74.8	84.4	89.7	91.2	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
1200	75.5	84.7	91.2	92.3	93.1	93.7	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
1000	76.0	85.7	91.7	92.7	94.1	94.9	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
900	76.3	84.1	91.1	93.7	94.7	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
800	76.4	84.7	91.4	94.3	95.4	96.3	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
700	76.6	85.1	91.7	94.7	95.9	96.7	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600	76.6	84.6	91.8	95.0	96.7	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
500	76.7	85.2	92.1	95.3	96.6	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	76.8	85.3	92.2	95.4	96.7	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	76.8	85.7	92.2	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	76.8	85.9	92.2	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	76.9	86.4	92.2	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	76.9	86.9	92.2	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 747

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1961 MONTH: JUL
 STATION: 1000 HOURS (L & S): 00

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		61.7	69.7	71.3	71.0	72.3	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 20000		66.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3
≥ 18000		66.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000		66.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 14000		66.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000		66.7	75.3	77.7	78.3	78.7	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000		72.3	81.7	84.0	84.7	85.0	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
≥ 9000		72.3	81.7	84.0	84.7	85.0	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
≥ 8000		76.7	85.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 7000		76.7	85.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000		76.7	85.7	88.0	88.7	89.0	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000		77.7	86.7	89.3	90.0	90.2	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500		77.7	87.0	89.7	90.3	90.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000		77.7	87.7	91.0	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500		78.7	88.0	91.3	92.0	92.3	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000		78.7	88.7	94.3	95.0	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500		79.7	90.7	94.3	95.0	95.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000		80.7	91.7	95.3	96.0	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		80.7	91.7	95.3	96.0	96.3	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500		81.7	92.0	95.7	96.3	96.7	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		81.7	92.0	95.7	96.7	97.0	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		81.7	92.0	96.0	97.0	97.3	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		82.0	93.0	97.0	98.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		82.0	93.0	97.0	98.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		82.0	93.0	97.0	98.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		82.0	93.0	97.0	98.0	98.7	99.3	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
MEMPHIS, TN

STATION NAME

73-22

YEARS

JUN
1963PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.3	51.9	63.9	65.6	65.9	66.2	65.2	64.2	66.6	66.6	66.6	66.6	66.9	66.9	66.9
≥ 20000		50.2	66.2	71.9	73.6	73.7	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.9	74.9	74.9
IN 18000		50.2	66.2	71.9	73.6	73.7	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.9	74.9	74.9
IN 16000		50.2	66.2	71.9	73.6	73.7	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.9	74.9	74.9
IN 14000		50.2	66.2	71.9	73.6	73.7	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.9	74.9	74.9
IN 12000		50.2	66.2	71.9	73.6	73.7	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.9	74.9	74.9
IN 10000		50.2	73.6	75.9	80.6	80.9	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9
IN 9000		50.2	73.6	75.9	80.6	80.9	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9
IN 8000		57.2	75.9	82.6	84.6	85.0	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.9	85.9	85.9
IN 7000		57.2	75.9	82.6	84.6	85.0	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.9	85.9	85.9
IN 6000		57.2	75.9	82.6	84.6	85.0	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.9	85.9	85.9
IN 5000		57.2	75.9	82.6	84.6	85.0	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.9	85.9	85.9
IN 4500		71.6	81.3	85.0	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9	88.9	88.9
IN 4000		71.6	81.3	85.0	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9	88.9	88.9
IN 3500		71.6	81.3	85.0	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9	88.9	88.9
IN 3000		71.6	81.3	85.0	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9	88.9	88.9
IN 2500		74.9	85.3	92.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 2000		74.9	85.3	92.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 1800		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 1500		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 1200		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 1000		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 900		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 800		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 700		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 600		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 500		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 400		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 300		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 200		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 100		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 0		75.6	86.6	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

229

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

444444

STATION NAME

73-07

YEARS

JUN

MONTH

06

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	56.4	42.1	42.3	49.8	1.0	53.2	53.9	53.9	54.5	54.5	54.5	54.9	54.9	54.9	54.9	54.9
≥ 20000	56.1	45.8	55.5	54.9	42.2	63.7	64.7	64.0	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6
IV 18000	76.1	45.8	55.5	59.9	62.2	63.7	64.9	64.0	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6
IV 16000	36.1	45.8	55.5	59.9	62.2	63.7	64.9	64.0	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6
IV 14000	36.1	45.8	55.5	59.9	62.2	63.7	64.9	64.0	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6
IV 12000	37.9	50.5	57.5	61.9	64.2	65.9	66.9	66.0	68.2	68.2	68.2	68.6	68.6	68.6	68.6	68.6
IV 10000	40.5	57.9	61.9	67.6	70.2	71.9	73.9	72.9	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.6
IV 9000	41.5	54.9	62.2	68.9	71.6	73.2	74.3	74.3	75.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9
IV 8000	44.5	61.2	67.2	73.9	76.3	78.6	79.6	79.6	80.9	80.9	80.9	81.3	81.3	81.3	81.3	81.3
IV 7000	45.2	58.9	67.9	74.6	77.6	79.3	80.3	80.3	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9
IV 6000	45.2	54.9	67.9	74.6	77.6	79.3	80.3	80.3	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9
IV 5000	45.2	50.5	67.9	76.7	77.9	81.6	82.6	82.6	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9
IV 4500	46.9	60.5	70.2	77.3	80.3	81.9	82.9	82.9	84.3	84.3	84.3	84.6	84.6	84.6	84.6	84.6
IV 4000	46.9	63.2	72.9	80.6	84.3	86.0	87.0	87.0	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6
IV 3500	49.5	67.9	73.4	81.9	85.6	87.3	88.3	88.3	89.6	89.6	89.6	90.0	90.0	90.0	90.0	90.0
IV 3000	41.5	66.2	76.3	84.3	88.3	90.0	91.0	91.0	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6
IV 2500	42.5	67.2	77.3	85.3	89.3	91.0	92.0	92.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7
IV 2000	42.5	67.2	77.6	85.6	89.6	91.3	92.3	92.3	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0
IV 1800	42.5	67.6	77.9	86.1	90.7	91.6	92.6	92.6	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3
IV 1500	43.7	67.9	78.3	86.3	90.3	92.0	93.0	93.0	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6
IV 1200	43.5	68.2	78.6	86.6	90.6	92.3	93.3	93.3	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0
IV 1000	43.0	68.6	78.9	87.0	91.3	93.0	94.3	94.3	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0
IV 900	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 800	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 700	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 600	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 500	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 400	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 300	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 200	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 100	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7
IV 0	43.5	68.9	79.6	87.6	92.0	93.7	95.0	95.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

4754HIS, TN

STATION NAME

12-82

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (12 H)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	41.7	47.3	52.0	55.0	58.0	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 20000	42.3	54.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 18000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 6000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 5000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2500	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1800	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1500	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1200	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1000	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 900	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 800	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 700	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 600	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 500	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 400	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 300	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 200	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 100	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 0	44.3	56.0	61.3	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 49 MONTH 47 STATION NAME YEARS MONTH 12 HOURS 12.1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	38.3	47.7	45.3	45.7	46.0	45.0	46.0	46.7	46.0	47.0	46.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	51.3	56.3	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	51.3	56.3	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 16000	51.3	56.3	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	51.3	56.3	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 12000	54.0	59.7	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	57.7	64.0	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 9000	58.3	64.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 8000	60.3	67.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	60.3	67.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	60.3	67.7	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	67.3	68.3	71.3	71.7	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	61.3	64.7	72.0	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	63.7	72.0	73.7	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 3500	65.3	75.0	79.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	70.3	81.3	86.0	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	75.3	85.0	90.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	75.7	88.3	93.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	75.7	88.3	93.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500	76.7	89.3	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	77.0	89.7	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	77.3	90.3	95.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	77.3	91.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	77.3	90.3	96.7	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NEPDM

STATION NAME

73-02

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 20000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 18000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 16000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 14000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 12000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 10000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 9000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 8000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 7000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 6000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 5000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 4500		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 4000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 3500		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 3000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 2500		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 2000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 1800		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 1500		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 1200		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 1000		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 900		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 800		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 700		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 600		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 500		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 400		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 300		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 200		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 100		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0
≥ 0		41.7	51.7	57.0	62.7	67.7	72.0	77.0	82.0	87.0	92.0	97.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

13-42

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.7	54.7	47.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		50.7	67.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
18000		50.7	67.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
16000		50.7	67.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
14000		51.7	67.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
12000		53.0	69.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
10000		57.0	74.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
9000		62.3	74.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
8000		71.2	74.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
7000		73.0	81.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
6000		73.3	81.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
5000		74.3	82.7	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
4500		74.3	82.7	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
4000		75.7	83.7	87.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3500		76.7	84.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3000		78.3	84.7	92.7	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2500		74.7	89.0	93.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2000		71.7	91.3	96.7	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1800		71.3	91.3	96.7	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1600		71.3	91.7	97.3	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1400		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1200		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1000		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
900		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
800		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
700		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
600		71.3	91.7	97.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500		71.3	91.7	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
400		71.3	91.7	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
300		71.3	91.7	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200		71.3	91.7	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100		71.3	91.7	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0		71.3	91.7	97.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.0	6.0	64.6	64.9	64.9	61.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1800	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1500	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1200	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1000	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 900	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 800	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 700	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 600	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 500	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 400	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 300	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 200	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 100	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 0	1.0	7.0	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3

TOTAL NUMBER OF OBSERVATIONS 9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	46.7	51.4	56.6	57.8	59.2	58.6	54.6	53.6	54.6	53.8	53.8	55.9	58.9	59.7	59.9	59.9
≥ 20000	55.6	61.4	67.3	66.7	69.1	69.5	69.7	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0
IV 18000	55.6	61.4	67.3	68.8	69.2	69.6	69.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1
IV 16000	55.6	61.4	67.3	68.8	69.2	69.6	69.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1
IV 14000	55.6	61.4	67.3	68.8	69.2	69.6	69.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1
IV 12000	57.3	65.3	64.6	71.3	71.4	71.8	71.9	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3
IV 10000	60.3	67.6	73.6	75.6	75.9	76.3	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 9000	1.3	70.2	74.6	76.2	76.7	77.1	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 8000	14.3	73.6	78.3	80.3	80.8	81.1	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	45.3	74.6	79.4	81.4	81.9	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 6000	45.3	74.6	79.4	81.4	81.9	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	66.3	75.3	80.6	82.7	83.2	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4300	66.3	75.3	81.2	83.3	83.7	84.2	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000	64.5	71.3	83.5	85.7	86.4	86.7	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3300	64.5	71.3	84.4	87.2	87.9	88.2	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	72.0	87.6	88.3	90.7	91.5	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	72.0	83.9	89.7	92.7	93.1	93.5	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	74.1	85.4	91.4	93.9	94.7	95.2	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	74.1	85.4	91.7	94.1	95.0	95.4	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	74.1	85.4	92.5	95.7	95.9	96.0	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1200	75.1	86.6	92.8	95.4	96.3	96.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	75.1	86.6	93.2	95.9	96.9	97.4	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	75.1	87.1	93.3	96.3	97.1	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	75.6	87.2	93.7	96.5	97.5	98.0	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	75.6	87.4	94.0	96.9	97.9	98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	75.6	87.5	94.1	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	75.6	87.5	94.2	97.2	98.2	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	75.6	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	75.6	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	75.6	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	75.6	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	75.6	87.5	94.2	97.2	98.3	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2297

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

45NDN1, TN

STATION NAME

73-42

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	≥ 0
NO CEILING	55.7	67.9	66.4	65.4	64.4	70.0	70.7	70.7	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	72.2	73.2	72.7	81.6	81.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 18000	62.7	73.2	72.7	81.6	81.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 16000	62.7	73.2	72.7	81.6	81.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 14000	62.7	73.2	72.7	81.6	81.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 12000	5.0	73.2	62.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	6.5	77.4	83.2	85.5	86.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 9000	6.5	77.4	83.2	85.5	86.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 8000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 6000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 5000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4500	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 400	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 300	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 0	10.0	81.6	88.1	90.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.2	62.4	71.3	72.9	73.0	73.9	73.9	73.9	73.9	74.5	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 18000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 16000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 14000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 12000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 10000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 9000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 8000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1500	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1200	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 900	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 700	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 600	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 500	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 400	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 300	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 200	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 100	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 0	80.1	71.7	74.0	82.6	81.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		71.7	51.1	41.4	31.1	21.7	10.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 20000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 18000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 16000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 14000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 12000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 10000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 9000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 8000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 7000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 6000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 5000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 4500		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 4000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 3500		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 3000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 2500		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 2000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 1800		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 1500		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 1200		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 1000		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 900		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 800		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 700		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 600		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 500		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 400		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 300		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 200		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 100		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
IV 0		71.7	41.4	31.1	21.7	10.3	6.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3

TOTAL NUMBER OF OBSERVATIONS

71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.7	50.2	70.3	81.6	82.6	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 20000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 18000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 16000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 14000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 12000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 10000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 9000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2500	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1200	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1000	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 900	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 800	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 700	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 600	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 500	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 400	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 300	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 200	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 100	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 0	13.6	67.7	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		1.0	4.0	13.0	37.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 20000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 18000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 16000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 14000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 12000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 10000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 9000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 8000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 7000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 6000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 5000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 4500		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 4000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 3500		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 3000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 2500		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 2000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 1800		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 1500		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 1200		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 1000		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 900		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 800		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 700		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 600		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 500		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 400		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 300		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 200		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 100		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0
IV 0		1.0	5.0	11.0	33.0	53.0	77.0	87.0	93.0	96.0	97.0	98.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

404041

STATION NAME

70-50

YEARS

JUL

MONT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		47.7	57.2	56.1	58.4	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 20000		73.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000		85.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 16000		86.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 14000		86.4	64.2	67.4	69.7	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000		89.0	64.2	68.1	70.3	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000		83.9	71.7	73.9	76.1	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000		83.9	70.7	73.9	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000		85.4	73.2	77.1	77.7	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 7000		86.5	73.9	77.7	80.3	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000		86.5	73.9	77.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 5000		86.5	74.5	76.4	81.0	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500		87.1	74.4	74.7	81.7	81.7	81.7	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000		89.0	74.1	82.6	85.2	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500		90.3	77.7	84.2	86.8	87.4	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000		94.7	85.9	90.3	93.2	93.9	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2500		96.1	87.4	92.3	95.2	96.1	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000		96.0	87.4	93.8	96.5	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800		96.5	88.4	92.9	96.5	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500		96.7	88.7	93.2	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200		96.3	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		96.4	88.7	93.9	97.4	98.4	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-82

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	47.4	51.6	52.0	53.2	54.2	54.2	54.2	54.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	49.4	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 18000	50.8	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 16000	50.8	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000	50.8	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 12000	50.8	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 10000	50.8	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	50.8	67.4	72.6	73.9	74.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 7000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 6000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 5000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4500	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3500	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1000	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 900	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 800	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 700	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 600	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 500	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 400	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 300	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 200	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 100	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 0	47.4	74.5	81.9	83.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1961 MONTH: JUL
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L O T): 71

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.7	54.2	59.0	60.0	60.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6	67.6	62.6	62.6	67.6
≥ 20000	59.4	71.9	77.1	78.7	79.0	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 18000	59.4	71.9	77.1	78.7	79.0	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 16000	59.4	71.9	77.1	78.7	79.0	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 14000	59.4	71.9	77.1	78.7	79.0	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 12000	60.3	72.6	77.7	79.7	80.0	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	63.2	76.5	81.9	83.9	84.2	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 9000	63.2	76.5	81.9	83.9	84.2	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 8000	66.1	80.0	86.1	88.4	88.7	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 7000	66.5	80.3	86.5	88.7	89.0	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 6000	66.5	80.3	86.5	88.7	89.0	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 5000	67.1	81.0	87.4	89.7	90.0	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4500	67.1	81.0	87.4	89.7	90.0	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4000	67.1	81.0	87.4	89.7	90.0	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500	68.1	83.2	89.0	92.3	92.6	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 3000	70.0	85.5	92.3	94.5	94.8	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	70.7	86.1	92.9	95.2	95.5	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1600	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1400	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	71.7	86.5	93.2	95.4	95.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 716

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-52

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

411

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	42.6	52.4	56.2	50.6	61.4	62.1	62.5	62.6	62.7	62.9	63.1	63.3	63.6	63.8	63.9	63.9
≥ 20000	51.7	61.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	76.0	76.1	76.2	76.3	76.4	76.4
IV 18000	51.4	61.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	76.0	76.1	76.2	76.3	76.4	76.4
IV 16000	51.7	61.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	76.0	76.1	76.2	76.3	76.4	76.4
IV 14000	51.4	61.2	69.8	72.9	73.8	74.7	75.2	75.3	75.6	75.9	76.0	76.1	76.2	76.3	76.4	76.4
IV 12000	52.0	61.2	71.1	74.3	75.1	76.1	76.6	76.6	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3
IV 10000	56.1	69.2	75.3	78.6	79.5	80.5	81.0	81.1	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8
IV 9000	56.3	69.9	75.6	79.0	79.9	80.9	81.4	81.8	81.7	82.0	82.1	82.2	82.2	82.2	82.2	82.2
IV 8000	56.6	71.2	76.8	80.4	83.3	84.3	84.8	84.9	85.2	85.5	85.6	85.7	85.7	85.7	85.7	85.7
IV 7000	57.7	71.5	79.2	82.6	83.7	84.7	85.2	85.3	85.7	85.9	86.0	86.1	86.1	86.1	86.1	86.1
IV 6000	59.0	71.7	74.3	82.9	83.8	84.8	85.4	85.9	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3
IV 5000	59.4	72.3	75.9	83.6	84.3	85.6	86.1	86.2	86.5	86.8	86.9	87.0	87.0	87.0	87.0	87.0
IV 4500	59.7	72.6	80.3	84.0	84.9	86.0	86.5	86.6	86.9	87.2	87.3	87.4	87.4	87.4	87.4	87.4
IV 4000	59.8	73.8	81.8	85.6	86.5	87.6	88.2	88.2	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0
IV 3500	61.3	74.7	82.7	86.6	87.5	88.7	89.4	89.4	89.8	90.0	90.1	90.2	90.2	90.2	90.2	90.2
IV 3000	63.4	77.6	85.7	90.0	91.0	92.2	92.9	92.9	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8
IV 2500	64.5	78.7	86.9	91.2	92.2	93.5	94.2	94.2	94.6	94.9	94.9	95.0	95.0	95.0	95.0	95.0
IV 2000	65.0	79.4	87.8	92.1	93.2	94.4	95.2	95.2	95.6	95.9	95.9	96.1	96.1	96.1	96.1	96.1
IV 1800	65.0	79.4	87.8	92.1	93.2	94.4	95.2	95.2	95.6	95.9	95.9	96.1	96.1	96.1	96.1	96.1
IV 1500	65.4	80.0	88.6	93.0	94.2	95.4	96.2	96.2	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1
IV 1200	65.7	81.4	89.3	93.6	94.6	96.1	96.8	96.8	97.4	97.7	97.7	97.9	97.9	97.9	97.9	97.9
IV 1000	65.9	80.7	89.6	94.2	95.3	96.9	97.6	97.6	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7
IV 900	65.7	81.7	89.4	94.4	95.6	97.0	97.8	97.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8
IV 800	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 700	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 600	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 500	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 400	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 300	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 200	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
IV 100	66.1	81.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2
0	66.0	80.9	89.9	94.6	95.9	97.3	98.1	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MONTH

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO

HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		46.1	59.4	68.4	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 16000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 14000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 10000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 9000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 8000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 800		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 700		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 600		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 500		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 400		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 300		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 200		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 100		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 0		2.3	66.8	77.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
13-19

STATION NAME
MEMPHIS, TN

YEARS
73-82

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		50.4	51.7	61.9	67.1	68.4	77.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000		50.4	51.7	61.9	67.1	68.4	77.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		43.2	50.5	63.1	73.9	75.2	77.4	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 16000		43.2	50.5	63.1	73.9	75.2	77.4	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 14000		43.2	50.5	63.1	73.9	75.2	77.4	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 12000		43.2	50.5	63.1	73.9	75.2	77.4	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 8000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 900		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 800		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 700		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 600		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 500		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 400		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 300		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 200		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 100		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 0		47.7	61.3	73.9	80.3	81.6	83.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: MEMPHIS, TN DATE: 11-77 YEARS: MONTH: HOURS L.C.T.:

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		19.7	25.8	32.6	41.9	46.1	50.7	54.1	56.1	56.5	57.4	57.7	59.4	58.4	58.4	57.7
≥ 20000		22.1	31.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
IV 18000		22.5	32.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
IV 16000		22.5	32.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
IV 14000		22.5	32.7	38.4	48.7	54.8	62.0	65.8	65.8	66.5	67.4	67.7	68.4	68.4	68.4	68.7
IV 12000		22.5	31.3	37.0	49.4	55.5	60.7	66.5	66.5	67.1	68.1	68.4	68.4	69.0	69.0	69.4
IV 10000		27.7	36.4	45.2	55.9	62.9	68.4	74.8	75.2	76.1	77.1	77.4	79.1	78.1	78.1	78.4
IV 9000		27.7	36.6	45.2	55.8	62.7	68.4	74.8	75.2	76.1	77.1	77.4	79.1	78.1	78.1	78.4
IV 8000		29.7	39.7	49.4	60.0	67.4	73.2	79.7	80.0	81.4	81.9	82.3	82.9	82.9	82.9	83.2
IV 7000		30.3	40.7	50.3	61.6	69.0	74.8	81.3	81.6	82.6	83.6	83.9	84.5	84.5	84.5	84.8
IV 6000		30.2	41.0	50.7	61.9	69.4	75.2	81.6	81.6	82.9	83.9	84.2	84.8	84.8	84.8	85.2
IV 5000		30.3	41.9	51.6	62.9	70.3	76.1	82.6	82.9	83.9	84.8	85.2	85.8	85.8	85.8	86.1
IV 4500		31.2	42.3	51.9	63.2	70.7	76.5	82.9	83.2	84.2	85.2	85.5	86.1	86.1	86.1	86.5
IV 4000		31.2	42.6	52.9	64.2	71.8	77.4	83.9	84.2	85.2	86.1	86.5	87.1	87.1	87.1	87.4
IV 3500		31.4	42.9	53.6	64.8	72.3	78.1	84.5	84.8	85.8	86.8	87.1	87.7	87.7	87.7	88.1
IV 3000		32.3	43.2	54.8	66.1	73.9	79.7	86.1	86.5	87.4	88.4	88.7	89.4	89.4	89.4	89.7
IV 2500		32.4	44.5	56.1	67.4	75.8	81.6	88.1	88.4	89.4	90.3	91.3	91.3	91.3	91.3	91.6
IV 2000		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 1800		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 1500		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 1200		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 1000		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 900		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 800		32.6	44.5	56.1	67.7	76.5	82.3	88.7	89.0	90.3	91.6	91.9	92.6	92.6	92.6	92.9
IV 700		33.2	45.8	57.0	71.3	80.3	86.1	92.9	93.2	94.5	95.8	96.1	96.8	96.8	96.8	97.1
IV 600		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
IV 500		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
IV 400		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
IV 300		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
IV 200		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
IV 100		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1
IV 0		33.2	46.5	59.7	71.0	81.0	86.8	93.6	93.9	95.5	96.8	97.1	97.7	97.7	97.7	98.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

78-7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)NO. OF
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	70.2	40.3	20.6	10.4	5.3	2.8	1.2	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 20000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 18000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 16000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 14000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 12000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 10000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 9000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 8000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 7000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 6000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 5000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 4500	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 4000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 3500	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 3000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 2500	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 2000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1800	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1500	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1200	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 1000	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 900	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 800	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 700	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 600	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 500	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 400	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 300	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 200	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 100	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
≥ 0	70.4	40.5	20.8	10.6	5.5	3.0	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PERCENTAGE

STATION NAME

1-42

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	46.3	45.8	51.7	51.0	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 20000	46.5	53.9	59.7	61.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	46.5	57.9	59.7	61.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	46.5	57.9	59.7	61.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	46.5	57.9	59.7	61.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	46.5	54.2	62.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	46.7	55.8	62.6	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 9000	49.7	57.1	62.9	64.6	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 8000	50.7	58.7	64.8	66.0	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	51.7	59.7	65.2	66.6	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	51.6	57.0	65.2	66.6	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000	51.3	57.4	65.3	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	51.6	55.7	65.8	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000	53.2	61.6	67.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	55.2	64.2	71.3	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3000	57.5	71.6	77.7	82.6	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2500	54.5	75.8	84.5	87.4	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	62.1	75.4	87.7	92.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	57.1	75.4	87.7	92.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	56.4	80.2	90.7	93.9	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200	55.4	80.7	91.0	95.2	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	55.4	81.3	91.9	96.5	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	55.4	81.3	91.9	96.5	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	55.7	81.9	92.6	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1009 MONTHS, 1973-74 STATION NAME YEARS MONTH HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.1	54.2	70.4	61.0	72.3	57.6	57.6	62.6	52.6	52.6	62.6	67.4	62.6	52.6	62.6
≥ 20000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 18000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 12000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 10000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 9000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 8000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 7000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2500		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1800		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1500		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1200		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1000		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 900		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 800		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 700		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 600		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 500		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 400		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 300		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 200		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 100		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 0		50.1	64.8	70.3	70.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-01

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.7	61.4	60.7	72.3	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	58.1	71.6	91.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 18000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 16000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 14000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 12000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 10000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 9000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 8000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 5000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1200	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1000	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 900	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 800	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 700	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 600	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 500	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 400	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 300	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 200	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 100	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 0	58.1	71.6	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 12 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		47.7	44.4	41.0	36.7	31.5	27.3	23.2	19.2	15.2	11.4	8.4	5.1	3.1	1.7	0.1
≥ 20000		47.7	57.3	65.0	69.6	71.9	72.1	73.0	73.7	73.2	73.3	73.5	73.4	73.4	73.4	73.4
IV 18000		46.6	57.3	65.0	69.6	71.9	72.1	73.0	73.7	73.2	73.3	73.5	73.4	73.4	73.4	73.4
IV 16000		46.6	57.3	65.0	69.6	71.9	72.1	73.0	73.7	73.2	73.3	73.5	73.4	73.4	73.4	73.4
IV 14000		46.6	57.3	65.0	69.6	71.9	72.1	73.0	73.7	73.2	73.3	73.5	73.4	73.4	73.4	73.4
IV 12000		47.3	57.4	66.2	70.9	72.3	73.4	74.2	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000		46.7	61.5	70.7	75.7	77.2	78.4	79.3	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7
IV 9000		41.1	61.7	71.1	75.1	77.7	78.8	79.8	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000		43.4	64.3	74.2	77.2	80.9	82.3	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 7000		43.3	67.1	74.9	80.2	81.7	82.9	83.8	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2
IV 6000		40.7	67.3	75.0	80.2	81.9	83.1	84.0	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.5
IV 5000		40.3	65.1	75.7	81.9	82.6	83.7	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4500		40.3	66.2	75.9	81.1	82.8	84.1	85.0	85.7	85.2	85.4	85.4	85.4	85.4	85.4	85.4
IV 4000		36.7	67.3	77.0	82.3	84.0	85.2	86.1	86.7	86.3	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500		37.4	67.1	75.2	83.6	85.0	86.5	87.4	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9
IV 3000		36.3	72.4	81.0	86.8	88.4	89.7	90.6	90.7	90.7	91.1	91.1	91.2	91.2	91.2	91.2
IV 2500		37.7	71.5	82.4	88.4	91.0	92.0	92.7	92.9	92.9	93.0	93.1	93.2	93.2	93.2	93.2
IV 2000		39.7	72.4	83.4	89.4	91.4	92.9	94.0	94.0	94.0	94.4	94.5	94.6	94.6	94.6	94.6
IV 1800		37.9	72.4	83.5	89.5	91.5	93.1	94.1	94.7	94.6	94.6	94.7	94.7	94.7	94.7	94.7
IV 1500		39.4	72.1	84.4	90.6	92.6	94.2	95.3	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200		39.4	73.4	84.9	91.7	93.2	94.7	96.1	96.1	96.5	96.6	96.7	96.7	96.7	96.7	96.7
IV 1000		39.4	74.1	85.7	92.1	94.2	95.9	97.1	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		39.5	74.1	85.9	92.4	94.5	96.2	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		39.7	74.4	86.2	92.8	95.0	96.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700		39.7	74.5	86.3	93.1	95.3	97.1	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600		39.7	74.5	86.6	93.1	95.4	97.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		39.7	74.6	86.5	93.3	95.6	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400		39.7	74.7	86.7	93.4	95.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300		39.7	74.7	86.7	93.4	95.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200		39.7	74.7	86.7	93.4	95.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100		39.7	74.7	86.7	93.4	95.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0		39.7	74.7	86.7	93.4	95.8	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS / DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 20000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 18000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 16000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 14000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 12000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 10000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 9000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 8000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 7000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 6000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 5000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 4500		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 4000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 3500		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 3000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 2500		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 2000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 1800		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 1500		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 1200		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 1000		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 900		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 800		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 700		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 600		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 500		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 400		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 300		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 200		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 100		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7
≥ 0		47.7	62.7	51.7	66.7	71.7	62.3	63.3	61.3	64.0	61.3	64.3	61.7	65.0	68.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

SEPT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		77.3	41.7	53.7	57.3	58.0	59.7	60.3	60.3	60.7	61.3	61.3	61.3	61.7	61.7	61.7
≥ 20000		62.0	51.7	56.7	61.7	61.7	63.3	64.0	64.0	64.3	64.3	65.0	65.0	65.3	65.3	65.7
IV 18000		2.0	51.7	56.7	61.7	61.7	63.3	64.0	64.0	64.3	64.3	65.0	65.0	65.3	65.3	65.7
IV 16000		2.0	51.7	56.7	61.7	61.7	63.3	64.0	64.0	64.3	64.3	65.0	65.0	65.3	65.3	65.7
IV 14000		2.0	51.7	56.7	61.7	61.7	63.3	64.0	64.0	64.3	64.3	65.0	65.0	65.3	65.3	65.7
IV 12000		3.3	52.0	56.3	62.3	63.3	65.3	65.7	65.7	66.0	66.7	66.7	66.7	67.0	67.0	67.0
IV 10000		4.0	52.3	54.7	59.0	70.3	71.7	72.3	72.3	72.7	73.3	73.3	73.3	73.7	73.7	74.0
IV 9000		4.0	52.3	54.7	59.0	70.0	71.7	72.7	72.7	73.0	73.7	73.7	73.7	74.0	74.0	74.0
IV 8000		2.3	64.7	66.7	74.3	75.0	77.3	78.3	78.3	78.7	79.3	79.3	79.3	79.7	79.7	79.7
IV 7000		2.3	64.7	7.3	74.7	75.7	78.0	79.0	79.0	79.3	80.0	80.0	80.0	80.3	80.3	80.7
IV 6000		3.3	64.7	7.3	74.7	75.7	78.0	79.3	79.3	79.7	80.3	80.3	80.3	80.7	80.7	81.0
IV 5000		3.3	64.7	7.3	75.3	76.3	78.7	79.7	79.7	80.3	81.0	81.0	81.0	81.3	81.3	81.7
IV 4500		3.7	65.0	71.0	75.7	76.7	79.0	80.0	80.0	80.7	81.3	81.3	81.3	81.7	81.7	82.0
IV 4000		3.7	65.0	71.0	75.0	77.0	79.3	80.3	80.3	81.0	81.7	81.7	81.7	82.0	82.0	82.0
IV 3500		4.3	65.7	71.7	77.3	78.3	80.3	81.3	81.3	82.0	82.7	82.7	82.7	83.0	83.0	83.3
IV 3000		5.3	67.3	75.0	79.3	79.7	82.0	83.0	83.0	83.7	84.3	84.3	84.3	84.7	84.7	85.0
IV 2500		5.0	68.0	74.3	80.3	81.3	84.0	85.0	85.0	85.7	86.3	86.3	86.3	86.7	86.7	87.0
IV 2000		7.3	72.0	77.0	82.7	84.0	86.7	87.0	87.0	87.7	88.3	88.3	88.3	89.0	89.0	89.0
IV 1800		7.0	72.0	77.0	83.0	84.3	87.0	88.3	88.3	89.0	89.7	89.7	89.7	90.0	90.0	90.0
IV 1500		6.7	71.3	76.0	84.0	85.3	88.0	89.3	89.3	90.0	90.7	90.7	90.7	91.0	91.0	91.0
IV 1200		6.3	71.3	76.0	85.0	86.7	89.7	90.7	90.7	91.3	92.0	92.0	92.0	92.3	92.3	92.7
IV 1000		6.3	71.3	76.0	87.0	88.7	91.3	92.0	92.0	93.0	93.7	94.3	94.3	95.0	95.0	95.3
IV 900		6.3	73.3	81.0	87.3	89.0	91.7	93.3	93.3	94.0	94.7	94.7	95.0	95.3	95.3	95.7
IV 800		6.3	73.3	81.0	87.7	89.3	92.0	93.7	93.7	94.7	95.3	95.3	95.7	96.0	96.0	96.3
IV 700		6.3	73.7	81.3	88.0	90.3	92.7	94.3	94.3	95.3	96.0	96.0	96.3	96.7	96.7	97.0
IV 600		6.3	74.7	81.7	88.3	90.3	93.0	94.7	94.7	95.7	96.3	96.3	96.7	97.0	97.0	97.3
IV 500		6.3	74.0	81.7	88.7	90.7	93.3	95.0	95.0	96.0	96.7	96.7	97.0	97.3	97.3	97.7
IV 400		6.3	74.0	81.7	88.7	90.7	93.3	95.0	95.0	96.0	96.7	96.7	97.0	97.3	97.3	97.7
IV 300		6.3	74.0	81.7	88.7	90.7	93.7	95.3	95.3	97.0	97.7	97.7	98.0	98.3	98.3	98.7
IV 200		6.3	74.0	81.7	88.7	90.7	93.7	95.3	95.3	97.3	98.0	98.0	98.3	98.7	98.7	99.3
IV 100		6.3	74.0	81.7	88.7	90.7	93.7	95.3	95.3	97.3	98.0	98.0	98.3	98.7	98.7	99.3
IV 0		6.3	74.0	81.7	88.7	90.7	93.7	95.3	95.3	97.3	98.0	98.0	98.3	98.7	98.7	99.3

TOTAL NUMBER OF OBSERVATIONS

507

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		34.9	41.2	44.2	47.3	49.9	50.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000		41.2	47.2	52.2	55.9	56.2	56.9	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2
IV 18000		41.9	47.2	52.2	55.9	56.2	56.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 16000		41.9	47.2	52.2	55.9	56.2	56.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 14000		41.9	47.2	52.2	55.9	56.2	56.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 12000		41.9	47.2	52.2	55.9	56.2	56.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000		43.9	50.2	54.9	60.2	60.9	61.3	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000		43.9	50.2	54.9	60.2	60.9	61.3	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2
IV 8000		48.9	56.9	63.6	67.6	68.2	69.9	71.2	71.2	71.2	71.6	71.6	71.6	71.6	71.6	71.6
IV 7000		48.9	56.9	63.6	67.6	68.2	69.9	71.2	71.2	71.2	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000		49.9	57.2	64.9	68.9	69.9	70.2	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000		49.9	57.2	64.9	68.9	69.9	70.2	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9
IV 4500		49.9	57.2	64.9	68.9	69.9	70.2	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000		1.9	67.2	67.6	71.9	72.6	73.2	75.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9
IV 3500		12.2	61.2	68.9	73.2	74.3	74.9	77.3	77.3	77.3	77.9	77.9	77.9	77.9	77.9	77.9
IV 3000		12.2	61.2	68.9	73.2	74.3	74.9	77.3	77.3	77.3	77.9	77.9	77.9	77.9	77.9	77.9
IV 2500		13.2	62.2	70.6	74.9	76.9	77.9	80.3	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9
IV 2000		14.9	63.9	72.2	76.9	78.9	79.9	82.3	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9
IV 1800		14.9	63.9	72.2	76.9	78.9	79.9	82.3	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9
IV 1500		15.9	65.2	73.6	78.3	80.3	81.3	83.6	83.6	83.6	84.3	84.3	84.3	84.3	84.3	84.3
IV 1200		17.9	67.6	75.9	80.6	82.6	83.6	86.0	86.0	86.0	86.6	86.6	86.6	86.6	86.6	86.6
IV 1000		19.2	67.2	77.6	82.9	85.0	86.3	88.6	88.6	88.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 900		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 800		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 700		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 600		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 500		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 400		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 300		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 200		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 100		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6
IV 0		20.2	71.2	78.6	84.6	86.6	88.0	90.2	90.2	90.2	91.6	91.6	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

HENDON, TN

STATION NAME

73-12

YEARS

1960

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	44.3	47.3	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 5000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 2500	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 2000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 1800	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 1500	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 1200	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 1000	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 900	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 800	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 700	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 600	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 500	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 400	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 300	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 200	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 100	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 0	44.3	47.3	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3

TOTAL NUMBER OF OBSERVATIONS

170

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NO. 1000

STATION NAME

1000

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
18000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
16000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
14000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
12000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
10000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
9000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
8000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
7000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
6000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
5000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
4500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
4000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
3500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
3000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1800	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1200	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
900	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
800	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
700	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
600	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
400	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
300	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
200	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
100	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 12-10 YEARS MONTH 1- HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 20000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 18000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 16000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 14000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 12000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 10000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 9000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 8000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 7000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 6000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 5000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 4500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 4000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 3500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 3000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 2500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 2000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 1800	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 1600	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 1400	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 1200	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 1000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 900	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 800	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 700	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 600	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 400	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 300	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 200	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 100	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PERIOD

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.7	57.7	63.3	64.0	64.3	55.3	45.3	45.7	45.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 20000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 18000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 16000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 14000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 12000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 10000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 9000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 8000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 7000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 6000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 5000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 4500		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 4000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 3500		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 3000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 2500		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 2000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 1800		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 1500		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 1200		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 1000		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 900		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 800		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 700		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 600		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 500		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 400		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 300		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 200		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 100		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 0		5.7	64.7	70.7	71.3	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, TN

STATION NAME

73-02

YEARS

5-P

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	.1	2.1	4.7	4.6	51.9	12.6	53.7	54.6	54.7	55.2	55.5	55.5	55.7	55.7	55.8	55.9
≥ 20000	.1	4.4	51.4	5.5	59.1	59.8	61.0	61.9	61.9	62.5	62.9	62.9	63.1	63.2	63.2	63.4
18000	.1	4.4	51.4	55.5	59.1	59.8	61.0	61.9	61.9	62.5	62.9	62.9	63.1	63.2	63.2	63.4
16000	.1	4.4	51.4	55.5	59.1	59.8	61.0	61.9	61.9	62.5	62.9	62.9	63.1	63.2	63.2	63.4
14000	.1	4.4	51.6	56.7	59.3	60.3	61.2	62.1	62.2	62.7	63.1	63.1	63.3	63.4	63.4	63.6
12000	.1	4.4	52.7	57.9	6.5	61.3	62.6	63.5	63.5	64.1	64.4	64.4	64.7	64.7	64.8	64.9
10000	.1	4.5	57.6	63.2	66.2	67.2	68.7	69.6	69.7	7.2	7.6	7.6	7.8	7.9	7.9	7.1
9000	.1	4.7	58.0	63.7	66.8	67.7	69.2	70.2	70.2	70.6	71.2	71.2	71.8	71.8	71.8	71.7
8000	.1	5.0	61.6	67.8	71.1	72.2	73.7	74.7	74.8	75.3	75.7	75.7	75.9	76.1	76.1	76.2
7000	.1	5.2	62.2	68.4	71.8	73.0	74.6	75.6	75.6	76.2	76.6	76.6	76.8	76.9	77.1	77.1
6000	.1	4.2	62.7	69.0	72.4	73.5	75.2	76.2	76.2	76.6	77.2	77.2	77.4	77.5	77.6	77.7
5000	.2	4.7	63.5	70.0	73.5	74.7	76.4	77.4	77.4	78.1	78.5	78.5	78.7	78.8	78.9	79.0
4500	.1	4.7	63.7	70.2	73.8	75.0	76.6	77.6	77.7	78.3	78.7	78.7	79.1	79.1	79.2	79.3
4000	.1	5.5	64.9	71.4	75.3	76.5	78.1	79.1	79.1	79.8	80.2	80.2	80.5	80.6	80.7	80.8
3500	.1	5.4	65.6	72.3	76.2	77.5	79.1	80.1	80.2	80.8	81.3	81.3	81.6	81.7	81.8	82.0
3000	.1	5.8	66.1	75.2	79.4	80.9	82.6	83.7	83.7	84.4	84.8	84.8	85.1	85.2	85.3	85.4
2500	.1	5.6	69.4	76.9	81.2	82.8	84.7	85.8	85.9	86.5	87.0	87.0	87.3	87.4	87.5	87.7
2000	.1	6.1	71.1	78.9	83.5	85.2	87.2	88.4	88.5	89.1	89.6	89.6	89.9	90.0	90.1	90.3
1800	.1	6.1	71.2	79.3	83.7	85.3	87.3	88.5	88.6	89.3	89.8	89.8	90.0	90.1	90.3	90.4
1500	.1	6.1	72.0	80.0	84.7	86.4	88.5	89.7	89.8	90.5	91.1	91.0	91.3	91.3	91.5	91.6
1200	.1	6.2	73.1	81.2	86.0	87.7	89.9	91.1	91.3	91.9	92.4	92.4	92.7	92.8	92.9	93.1
1000	.1	6.3	74.0	82.2	87.2	89.1	91.4	92.7	92.8	93.5	94.2	94.2	94.5	94.6	94.8	94.9
900	.1	6.3	74.5	82.8	88.0	90.0	92.3	93.7	93.8	94.5	95.2	95.2	95.5	95.6	95.8	95.9
800	.1	6.4	74.8	83.3	88.5	90.5	93.0	94.5	94.6	95.4	96.1	96.1	96.4	96.5	96.6	96.8
700	.1	6.4	75.1	83.6	88.9	91.0	93.5	95.1	95.2	96.0	96.7	96.7	97.0	97.1	97.2	97.4
600	.1	6.4	75.3	83.9	89.4	91.5	94.1	95.8	95.8	96.7	97.4	97.4	97.8	97.8	98.0	98.2
500	.1	6.4	75.4	84.0	89.6	91.7	94.4	96.0	96.1	97.0	97.8	97.8	98.2	98.3	98.4	98.6
400	.1	6.4	75.4	84.1	89.8	91.9	94.7	96.4	96.5	97.4	98.3	98.3	98.6	98.7	98.8	99.0
300	.1	6.4	75.4	84.1	89.8	92.0	94.8	96.6	96.7	97.8	98.6	98.6	99.0	99.1	99.3	99.5
200	.1	6.4	75.4	84.1	89.8	92.0	94.9	96.7	96.8	97.9	98.8	98.8	99.3	99.4	99.5	99.8
100	.1	6.4	75.4	84.1	89.8	92.0	94.9	96.7	96.8	97.9	98.8	98.8	99.3	99.4	99.5	99.8
0	.1	6.4	75.4	84.1	89.8	92.0	94.9	96.7	96.8	97.9	98.8	98.8	99.3	99.4	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS

215

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASPEN VILLE, NC

CEILING VERSUS VISIBILITY

STATION

MONTH

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		63.7	65.1	67.7	68.1	68.1	67.7	66.7	63.7	64.7	62.0	62.3	55.0	69.0	65.4	71.7
≥ 20000		61.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	75.2
IV 18000		61.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	75.2
IV 16000		61.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	75.2
IV 14000		61.4	71.3	73.2	73.6	73.6	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	75.2
IV 12000		70.0	72.9	74.6	75.2	75.2	75.8	75.8	75.8	75.8	74.1	76.1	74.1	74.1	76.5	76.2
IV 10000		72.6	75.5	77.8	77.7	77.7	78.4	78.4	78.4	78.4	79.7	78.7	79.7	78.7	79.7	79.7
IV 9000		73.2	74.1	76.1	76.4	78.4	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.7	80.0
IV 8000		76.5	79.7	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	83.2	83.2
IV 7000		76.5	81.0	81.9	82.3	82.3	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.6	83.9
IV 6000		77.7	81.0	82.9	83.2	83.2	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.5	84.8
IV 5000		76.1	81.3	83.9	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.5	85.8
IV 4500		76.7	81.9	84.8	85.2	85.2	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.5	86.8
IV 4000		80.7	85.9	87.1	87.4	87.4	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.7	89.0
IV 3500		81.9	85.5	86.7	89.0	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.3	90.7
IV 3000		82.4	86.1	89.4	90.0	90.0	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.7	91.7
IV 2500		82.9	86.4	90.7	91.3	91.3	91.7	91.7	91.7	91.7	92.3	92.3	92.3	92.3	92.6	92.9
IV 2000		83.6	87.7	91.9	92.4	92.4	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	94.2	94.5
IV 1800		83.9	88.1	92.3	93.2	93.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.8	95.1
IV 1500		84.2	88.4	92.6	93.9	93.9	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.5	95.8
IV 1200		84.8	87.4	93.6	95.2	95.2	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.8	97.1
IV 1000		84.8	87.4	94.5	96.1	96.1	97.1	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.7	98.1
IV 900		86.1	90.7	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.4
IV 800		86.1	90.7	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.4
IV 700		86.1	90.7	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.4
IV 600		86.1	90.7	94.8	96.5	96.5	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	98.1	98.4
IV 500		86.5	91.0	95.2	97.1	97.1	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0	99.4
IV 400		86.5	91.0	95.2	97.1	97.1	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0	99.4
IV 300		86.5	91.0	95.2	97.7	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0
IV 200		86.5	91.0	95.2	97.7	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0
IV 100		86.5	91.0	95.2	97.7	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0
IV 0		86.5	91.0	95.2	97.7	98.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-02

YEARS

007

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		67.4	61.6	64.3	66.8	66.3	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.7	67.7
≥ 20000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
18000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
16000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
14000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
12000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
10000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
9000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
8000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
7000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
6000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
5000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
4500		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
4000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
3500		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
3000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
2500		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
2000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
1800		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
1500		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
1200		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
1000		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
900		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
800		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
700		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
600		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
500		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
400		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
300		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
200		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
100		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7
0		67.7	64.2	67.4	69.7	69.7	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.7	70.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC DATE: 7-3-57
 STATION: 33-32 YEARS: 1957 MONTH: 7
 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING	75.1	41.4	52.1	57.7	57.0	57.9	60.2	67.8	61.2	61.5	61.8	62.1	62.1	62.5	67.1	
≥ 20000	76.5	42.1	55.0	52.9	60.5	62.8	63.1	63.2	64.1	64.4	64.4	65.1	65.1	65.4	65.4	
IV 18000	74.0	44.7	55.0	59.9	60.5	62.8	63.1	63.8	64.1	64.4	64.4	65.1	65.1	65.4	66.0	
IV 16000	74.5	44.6	55.0	57.9	61.5	62.8	63.1	63.8	64.1	64.4	64.4	65.1	65.1	65.4	66.0	
IV 14000	74.5	45.0	55.0	57.9	60.5	62.8	63.1	63.8	64.1	64.4	64.4	65.1	65.1	65.4	66.0	
IV 12000	70.1	47.9	57.0	61.5	62.5	64.7	65.1	65.7	66.0	66.3	66.3	67.1	67.1	67.7	67.7	
IV 10000	72.7	51.1	60.8	66.0	66.7	68.9	69.3	69.7	70.2	70.6	70.6	71.2	71.2	71.5	71.5	
IV 9000	73.0	51.5	61.2	66.3	67.0	69.3	69.6	70.2	70.6	70.9	70.9	71.5	71.5	71.8	71.8	
IV 8000	72.7	53.1	63.1	68.3	69.3	71.8	72.2	72.8	73.1	73.5	73.5	74.1	74.1	74.4	74.4	
IV 7000	75.3	55.0	65.1	70.2	71.2	73.8	74.1	74.8	75.1	75.4	75.4	76.1	76.1	76.4	77.0	
IV 6000	75.3	55.0	65.1	70.2	71.2	73.8	74.1	74.8	75.1	75.4	75.4	76.1	76.1	76.4	77.0	
IV 5000	76.5	56.3	66.3	71.5	72.5	75.1	75.4	76.1	76.4	76.7	76.7	77.4	77.4	77.7	77.7	
IV 4500	76.5	56.6	66.7	71.8	72.6	75.4	75.7	76.4	76.7	77.0	77.0	77.7	77.7	78.0	78.0	
IV 4000	77.5	57.3	68.6	73.8	75.1	77.7	78.0	78.6	79.0	79.3	79.3	79.9	79.9	80.5	80.5	
IV 3500	77.5	57.9	69.0	74.8	76.1	78.6	79.0	79.3	79.6	79.9	80.3	80.3	80.9	81.2	81.2	
IV 3000	77.5	61.5	72.5	78.6	79.9	82.5	82.9	83.5	83.8	84.1	84.1	84.7	84.7	85.1	85.1	
IV 2500	77.5	62.5	73.5	79.6	81.2	83.8	84.1	84.7	85.1	85.4	85.4	86.0	86.0	86.4	86.4	
IV 2000	77.5	64.1	75.4	81.9	84.1	86.7	87.1	87.7	88.0	88.0	88.0	88.7	88.7	89.3	89.3	
IV 1800	77.5	65.1	76.4	82.9	85.1	87.7	88.0	88.7	89.0	89.3	89.3	89.9	89.9	90.5	90.5	
IV 1500	77.5	65.7	77.0	84.5	86.7	89.3	89.6	90.2	90.6	90.9	91.3	91.3	91.9	92.2	92.2	
IV 1200	77.5	67.3	78.6	85.1	87.4	90.0	90.3	90.9	91.3	91.6	91.6	92.2	92.2	92.8	92.8	
IV 1000	77.5	68.3	79.6	86.1	88.4	91.0	91.3	91.9	92.3	92.6	92.6	93.2	93.2	93.8	93.8	
IV 900	77.5	68.9	80.3	86.7	89.0	92.2	92.6	93.2	93.6	94.0	94.0	94.6	94.6	95.2	95.2	
IV 800	77.5	69.3	80.6	87.1	89.3	92.6	92.9	93.5	94.0	94.2	94.2	94.8	94.8	95.4	95.4	
IV 700	77.5	69.6	80.9	87.4	89.6	92.9	93.2	93.8	94.2	94.5	94.5	95.1	95.1	95.7	95.7	
IV 600	77.5	69.6	80.9	87.4	89.6	92.9	93.2	93.8	94.2	94.5	94.5	95.1	95.1	95.7	95.7	
IV 500	77.5	69.6	80.9	87.4	89.6	92.9	93.2	93.8	94.2	94.5	94.5	95.1	95.1	95.7	95.7	
IV 400	77.5	70.2	81.6	88.0	90.3	93.9	94.2	94.8	95.2	95.5	95.5	96.1	96.1	96.7	96.7	
IV 300	77.5	70.2	81.6	88.0	90.3	93.9	94.2	94.8	95.2	95.5	95.5	96.1	96.1	96.7	96.7	
IV 200	77.5	70.2	81.6	88.0	90.3	93.9	94.2	94.8	95.2	95.5	95.5	96.1	96.1	96.7	96.7	
IV 100	77.5	70.2	81.6	88.0	90.3	93.9	94.2	94.8	95.2	95.5	95.5	96.1	96.1	96.7	96.7	
IV 0	77.5	70.2	81.6	88.0	90.3	93.9	94.2	94.8	95.2	95.5	95.5	96.1	96.1	96.7	96.7	

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		2.4	5.4	13.4	24.7	40.3	61.0	81.0	91.0	96.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 20000		59.4	61.0	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000		51.4	61.0	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000		50.4	61.0	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000		53.4	61.0	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000		45.4	61.0	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000		41.0	64.5	64.5	70.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000		41.0	64.5	64.5	70.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000		43.4	67.4	70.6	71.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 7000		44.5	67.4	70.6	71.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 6000		44.5	67.4	70.6	71.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000		44.5	67.4	70.6	71.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500		67.4	71.9	76.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000		69.4	72.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500		67.7	72.9	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000		67.4	72.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500		67.7	74.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000		71.9	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1800		71.9	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1500		71.9	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1200		74.5	81.6	87.1	91.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000		74.5	81.6	87.1	91.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 900		74.5	81.6	87.1	91.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 800		74.5	81.6	87.1	91.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 700		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 200		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 100		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 0		75.5	82.6	89.4	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION: YEAR: MONTH: 1
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L E T):

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		4.5	6.1	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 18000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 16000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 14000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 12000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 10000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 9000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 8000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 7000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 6000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 5000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4500		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 4000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3500		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 3000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2500		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 2000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1800		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1500		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1200		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 1000		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 900		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 800		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 700		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 600		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 500		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 400		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 300		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 200		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 100		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
IV 0		4.5	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

13- 7

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.3	17.7	55.4	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	1.3	6.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	1.3	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	1.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	1.3	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 12000	1.3	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	1.3	72.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	1.3	72.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000	1.3	76.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 7000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 2500	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 2000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 1800	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 1500	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 1200	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 1000	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 900	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 800	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 700	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 600	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 500	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 400	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 300	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 200	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 100	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 0	1.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

7-1-77

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.7	63.2	3.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 16000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 14000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 9000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 8000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 6000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 5000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 2500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 2000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 1800	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 1500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 1200	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 1000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 900	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 800	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 700	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 600	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 400	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 300	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 200	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 100	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4

TOTAL NUMBER OF OBSERVATIONS

330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

72-27

YEARS

017

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		64.5	66.8	67.4	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 20000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 18000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 16000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 14000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 12000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 9000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1800		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1200		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 900		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 800		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 700		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 600		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 400		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 300		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 200		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 100		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 0		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1957 MONTH: ALL
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
 HOURS (L S T): ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.2	59.2	61.5	62.6	62.8	63.3	63.4	63.7	63.5	63.5	63.6	63.6	63.7	63.7	63.7	64.1
≥ 20000	51.2	65.2	67.5	68.7	68.9	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.8	69.8	69.8	70.1
IV 18000	51.4	65.4	67.7	67.9	69.1	69.6	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.1	70.2
IV 16000	51.7	65.4	67.7	67.8	69.1	69.6	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.1	70.2
IV 14000	52.1	65.4	67.8	68.9	69.1	69.6	69.7	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.1	70.2
IV 12000	53.0	66.5	69.2	70.1	70.3	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.5
IV 10000	56.5	70.4	73.2	74.3	74.6	75.1	75.2	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.6	75.8
IV 9000	57.1	70.9	73.7	74.8	75.0	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.9	75.9	76.0	76.1
IV 8000	59.4	74.3	77.3	78.5	78.8	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.8	80.0
IV 7000	70.4	74.9	77.9	79.1	79.4	80.0	80.0	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.5	80.6
IV 6000	70.8	75.2	78.3	79.6	79.9	80.4	80.5	80.6	80.6	80.7	80.7	80.8	80.8	80.8	80.9	81.1
IV 5000	71.7	76.2	79.4	80.7	81.0	81.6	81.7	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.3
IV 4500	72.3	76.9	80.0	81.3	81.7	82.2	82.3	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.9
IV 4000	73.4	77.4	81.7	83.1	83.5	84.1	84.2	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.6	84.8
IV 3500	74.3	77.9	82.9	84.3	84.7	85.3	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.8	85.9
IV 3000	75.6	81.1	84.6	86.4	86.8	87.4	87.5	87.5	87.6	87.7	87.7	87.8	87.8	87.8	87.9	88.1
IV 2500	76.6	82.4	86.2	88.1	88.6	89.2	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.8	89.9
IV 2000	78.0	84.6	88.7	90.7	91.3	92.0	92.0	92.1	92.1	92.3	92.3	92.4	92.4	92.4	92.5	92.7
IV 1800	78.3	85.1	89.3	91.3	91.9	92.6	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.1	93.3
IV 1500	78.6	86.4	90.6	92.9	93.5	94.2	94.3	94.4	94.4	94.6	94.6	94.7	94.7	94.7	94.8	95.0
IV 1200	80.0	86.9	91.2	93.6	94.3	95.0	95.1	95.2	95.3	95.5	95.5	95.6	95.6	95.6	95.7	95.9
IV 1000	80.4	87.5	92.1	94.6	95.3	96.1	96.2	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.9	97.0
IV 900	80.7	87.9	92.5	94.9	95.7	96.6	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.3	97.4
IV 800	80.8	88.0	92.7	95.2	96.0	96.9	97.2	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.9	98.0
IV 700	80.9	88.2	92.9	95.4	96.3	97.1	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.2	98.4
IV 600	80.9	88.3	93.3	95.6	96.4	97.3	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.4	98.5
IV 500	81.0	88.4	93.2	95.8	96.7	97.6	98.1	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.9	99.1
IV 400	81.2	88.5	93.4	96.0	96.9	97.9	98.4	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.3	99.5
IV 300	81.4	88.6	93.4	96.1	97.0	98.0	98.6	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.5	99.7
IV 200	81.6	88.7	93.4	96.1	97.0	98.0	98.6	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.5	99.7
IV 100	81.6	88.7	93.4	96.1	97.0	98.0	98.6	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.5	99.7
IV 0	81.6	88.7	93.4	96.1	97.0	98.0	98.6	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS: 2472

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-40

YEARS

N 29

E 89

10

HOUSE (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		1.3	53.3	54.0	54.3	54.3	54.3	55.0	55.7	55.3	55.7	55.3	55.3	55.2	55.3
≥ 20000		24.7	56.3	56.7	57.3	57.3	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.3
IV 18000		24.7	56.7	56.7	57.3	57.3	57.3	57.7	57.7	58.3	58.0	58.0	58.0	58.0	58.3
IV 16000		24.7	56.7	56.7	57.3	57.3	57.3	57.7	57.7	58.3	58.0	58.0	58.0	58.0	58.3
IV 14000		24.7	56.7	57.3	57.7	57.7	57.7	58.3	58.3	58.7	58.7	58.7	58.7	58.7	59.0
IV 12000		25.0	57.0	57.7	58.3	58.0	58.0	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.3
IV 10000		27.3	59.3	60.0	60.3	60.3	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.7
IV 9000		27.3	59.3	60.0	60.3	60.3	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.7
IV 8000		22.3	64.3	65.3	65.7	65.7	65.7	66.3	66.3	66.7	66.7	66.7	66.7	66.7	67.0
IV 7000		23.3	65.3	66.0	66.7	66.7	66.7	67.3	67.3	67.7	67.7	67.7	67.7	67.7	68.0
IV 6000		23.3	65.3	66.0	66.7	66.7	66.7	67.3	67.3	67.7	67.7	67.7	67.7	67.7	68.0
IV 5000		26.3	68.7	69.3	70.0	70.0	70.0	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.3
IV 4500		26.7	69.0	69.7	70.3	70.3	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.7
IV 4000		23.7	71.0	71.7	72.3	72.3	72.3	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.7
IV 3500		21.7	73.3	74.3	75.0	75.0	75.0	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.3
IV 3000		23.7	75.3	76.7	77.3	77.7	77.7	78.3	78.3	78.7	78.7	78.7	78.7	78.7	79.0
IV 2500		25.7	77.7	79.0	80.0	80.3	80.3	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.7
IV 2000		26.3	79.7	81.7	83.0	82.3	82.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	84.0
IV 1800		26.3	79.7	81.3	82.3	82.7	83.0	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.3
IV 1500		25.7	82.7	84.3	85.7	86.0	86.3	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.7
IV 1200		24.3	83.7	86.0	88.0	88.3	89.7	89.3	89.3	89.7	89.7	89.7	89.7	89.7	90.0
IV 1000		20.0	85.0	87.7	89.7	90.0	90.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.7
IV 900		20.7	85.7	88.3	90.7	91.0	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.7
IV 800		21.7	86.3	89.0	91.7	92.3	92.3	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.7
IV 700		21.0	86.3	89.7	92.3	92.7	93.7	94.3	94.3	94.7	94.7	94.7	94.7	94.7	95.0
IV 600		21.7	87.3	90.7	93.3	93.7	95.0	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.3
IV 500		21.7	87.7	91.0	93.7	94.0	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.7
IV 400		21.7	87.7	91.3	94.3	94.7	96.3	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.7
IV 300		21.7	87.7	91.0	94.3	95.7	96.3	97.3	97.3	97.7	98.0	98.0	98.0	98.0	98.3
IV 200		21.7	87.7	91.0	94.3	95.7	96.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	99.0
IV 100		21.7	87.7	91.0	94.3	95.7	96.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	99.0
IV 0		21.7	87.7	91.0	94.3	95.7	96.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	99.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

414 HAZEL, TN

STATION NAME

73-82

YEARS

NGV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

33
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.7	49.7	49.3	50.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.7	51.7	51.0
≥ 20000		44.7	52.7	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3
IV 18000		40.3	50.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3
IV 16000		40.3	52.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3
IV 14000		44.3	52.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.3
IV 12000		40.3	54.0	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.3
IV 10000		33.3	57.3	57.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.7	59.7	60.0
IV 9000		34.3	58.0	58.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0	60.7
IV 8000		36.7	67.7	61.0	62.7	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	63.7	63.7	64.0
IV 7000		37.7	61.3	61.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.7	63.7	64.0
IV 6000		37.3	61.3	61.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.7	63.7	64.0
IV 5000		38.3	62.7	63.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	65.0	65.0	65.3
IV 4500		39.7	64.3	64.7	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	67.0
IV 4000		41.0	66.0	66.3	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7	69.0
IV 3500		44.3	69.7	71.3	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7	73.0
IV 3000		46.7	72.0	72.7	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	75.3	75.3	75.7
IV 2500		65.0	73.3	74.3	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	77.0	77.0	77.3
IV 2000		71.3	76.7	77.7	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	81.0	81.0	81.3
IV 1800		71.3	76.7	77.7	79.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	81.0	81.0	81.3
IV 1500		72.3	76.0	77.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7	83.0
IV 1200		74.7	81.3	81.7	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.7
IV 1000		76.3	82.0	83.3	85.7	85.0	85.3	87.0	87.0	87.0	87.0	87.0	87.0	87.7	87.7	88.0
IV 900		77.7	83.0	84.3	87.7	87.3	87.7	88.3	88.3	88.3	88.3	88.3	88.3	89.0	89.0	89.3
IV 800		77.3	83.3	86.3	89.7	89.7	90.7	91.3	91.3	91.7	91.7	91.7	91.7	92.3	92.3	92.7
IV 700		78.0	84.0	87.0	89.7	90.7	91.7	92.3	92.3	92.7	92.7	92.7	92.7	93.3	93.3	93.7
IV 600		78.0	84.3	87.0	91.7	93.0	94.0	94.7	94.7	95.0	95.0	95.0	95.0	95.7	95.7	96.0
IV 500		78.3	84.7	88.3	92.0	93.3	94.7	95.7	95.7	96.0	96.0	96.0	96.0	96.7	96.7	97.0
IV 400		78.3	84.7	88.3	92.3	93.7	95.3	96.3	96.3	96.7	96.7	96.7	96.7	97.3	97.3	97.7
IV 300		78.3	84.7	88.3	92.7	94.0	95.7	96.7	96.7	97.0	97.0	97.0	97.0	97.7	97.7	98.0
IV 200		78.3	84.7	88.3	92.7	94.7	95.7	96.7	96.7	97.0	97.0	97.0	97.0	98.0	98.0	98.3
IV 100		78.3	84.7	88.3	92.7	94.7	95.7	96.7	96.7	97.3	97.3	97.3	97.3	98.3	98.3	98.7
IV 0		78.3	84.7	88.3	92.7	94.7	95.7	96.7	96.7	97.3	97.3	97.3	97.3	98.3	98.3	99.0

TOTAL NUMBER OF OBSERVATIONS

33

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MONTHS, YR.

STATION NAME

73-17

YEARS

NO. 7

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	44.7	46.3	47.7	47.7	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 20000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 16000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 14000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 12000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 10000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 9000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 8000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 6000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 5000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4500	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3500	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2500	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1800	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1500	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1200	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 1000	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 900	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 800	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 700	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 600	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 500	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 400	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 300	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 200	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 100	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 0	43.7	47.7	49.0	50.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1950

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.7	42.7	44.3	45.3	45.7	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	47.0
≥ 20000		44.7	46.7	48.7	49.7	50.0	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.3
IV 18000		44.7	46.7	48.7	49.7	50.0	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.3
IV 16000		44.7	46.7	48.7	49.7	50.0	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.3
IV 14000		46.3	47.7	49.0	50.0	50.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.7
IV 12000		46.3	47.0	51.0	52.0	52.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.7
IV 10000		49.3	52.7	54.7	55.7	56.0	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.7
IV 9000		50.3	53.7	56.7	56.7	57.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.7
IV 8000		54.0	57.7	59.7	61.7	61.0	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.7
IV 7000		55.0	58.7	61.7	61.7	62.0	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.7
IV 6000		55.0	58.7	60.7	61.7	62.0	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.7
IV 5000		55.0	58.7	61.0	62.0	62.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0
IV 4500		55.3	59.0	61.3	62.3	62.7	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.3
IV 4000		57.0	61.3	63.7	65.0	65.3	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	67.0
IV 3500		62.3	62.7	66.0	66.3	66.7	67.0	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.7
IV 3000		65.0	65.3	65.7	67.3	67.7	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
IV 2500		68.7	69.3	69.7	69.3	69.7	70.3	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	72.0
IV 2000		71.3	69.0	69.3	71.0	71.3	72.0	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.7
IV 1800		71.7	69.3	69.7	71.3	72.0	72.7	73.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	74.3
IV 1500		73.3	69.3	72.0	74.3	75.3	76.3	77.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	78.0
IV 1200		75.7	70.7	75.0	77.3	78.3	79.3	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	81.0
IV 1000		87.7	73.7	78.3	82.0	83.3	83.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.7
IV 900		88.3	75.0	79.7	83.7	85.0	86.7	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	88.3
IV 800		88.7	76.0	80.7	84.7	86.3	88.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
IV 700		89.3	76.3	81.3	86.3	88.0	89.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	92.0
IV 600		89.7	77.7	83.0	88.0	90.0	92.0	93.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7
IV 500		91.3	78.0	83.3	88.3	91.0	93.3	94.7	94.7	95.0	96.3	96.3	96.3	96.3	96.3	96.7	97.3
IV 400		90.3	78.0	83.3	88.3	91.0	93.3	94.7	95.0	96.0	97.3	97.3	97.3	97.3	97.3	97.7	98.3
IV 300		90.0	78.0	83.3	88.3	91.0	93.3	95.3	95.7	97.0	98.3	98.3	98.3	98.3	98.3	98.7	99.3
IV 200		90.0	78.0	83.3	88.3	91.0	93.3	95.3	95.7	97.0	98.3	98.3	98.3	98.3	98.3	98.7	99.7
IV 100		90.0	78.0	83.3	88.3	91.0	93.3	95.3	95.7	97.0	98.3	98.3	98.3	98.3	98.3	98.7	99.7
0		90.0	78.0	83.3	88.3	91.0	93.3	95.3	95.7	97.0	98.3	98.3	98.3	98.3	98.3	98.7	99.7

TOTAL NUMBER OF OBSERVATIONS

320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

4140415, TN

STATION NAME

75-2

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		43.7	45.7	43.3	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 18000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 16000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 12000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 10000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 9000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 8000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 7000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 6000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 5000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4500		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3500		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 2500		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 2000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1800		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1500		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1200		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 1000		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 900		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 800		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 700		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 600		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 500		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 400		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 300		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 200		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 100		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 0		44.3	45.3	41.0	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

AFN HILL, TN

STATION NAME

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	45.7	45.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 20000	42.0	51.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 18000	42.0	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 16000	42.0	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 14000	42.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	43.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 10000	47.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 9000	47.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	40.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 7000	41.7	63.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 6000	41.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 5000	41.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	43.3	65.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4000	44.7	67.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 3500	46.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3000	46.0	71.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500	41.7	74.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2000	46.0	79.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1800	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1600	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1400	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1000	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 900	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 800	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 700	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 600	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 500	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 400	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 300	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 200	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 100	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 0	46.0	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS 306

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

HP 42411, 7N

STATION NAME

73-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		54.7	51.7	51.0	52.0	7.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000		54.7	52.0	52.3	52.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
18000		54.7	52.0	52.3	52.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
16000		54.7	52.0	52.3	52.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
14000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
12000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
10000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
9000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
8000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
7000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
6000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
4500		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
4000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
3500		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
3000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2500		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1800		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1500		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1200		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1000		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
900		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
800		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
700		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
600		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
500		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
400		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
300		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
200		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
100		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
0		54.7	52.3	52.7	52.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
19

MEMPHIS, TN

STATION NAME

19-2

YEARS

1957

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.7
≥ 20000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2500	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1800	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1500	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1200	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 1000	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 900	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 800	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 700	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 600	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 500	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 400	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 300	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 200	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 100	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 0	55.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

YEAR

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111
HOURS 11 57

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
≥ 20000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 18000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 16000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 14000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 12000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 10000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 9000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 8000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 7000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 6000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 5000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 4500	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 4000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 3500	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 3000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 2500	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 2000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 1800	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 1500	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 1200	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 1000	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 900	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 800	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 700	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 600	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 500	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 400	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 300	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 200	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 100	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
IV 0	0.1	41.4	44.0	45.7	49.0	49.9	49.7	50.2	50.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.7	51.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 20000	2.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	2.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 16000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 14000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 12000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 10000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 9000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 8000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 7000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 6000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 5000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4500	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 3500	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 3000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 2500	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 2000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1800	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1500	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1200	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 1000	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 900	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 800	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 700	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 600	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 500	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 400	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 300	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 200	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 100	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 0	2.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		2.0	50.1	52.4	52.7	53.0	53.7	54.7	55.7	56.7	57.7	58.7	59.7	60.7	61.7	62.7
IV 20000		14.7	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 18000		14.8	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 16000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 14000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 12000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 10000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 9000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 8000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 7000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 6000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 5000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 4500		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 4000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 3500		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 3000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 2500		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 2000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 1800		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 1500		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 1200		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 1000		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 900		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 800		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 700		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 600		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 500		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 400		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 300		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 200		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 100		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7
IV 0		14.9	50.3	50.7	51.3	51.9	52.3	52.9	53.3	53.9	54.3	54.9	55.3	55.9	56.3	56.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MONROE, LA

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	47.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 12000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 9000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 8000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 7000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 5000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4500	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 3500	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 3000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 2500	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 2000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1800	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1500	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1200	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1000	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 900	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 800	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 700	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 600	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 500	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 400	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 300	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 200	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 100	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 0	40.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

75-11

YEARS

D.F.C.

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 20000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 18000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 16000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 14000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 12000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 10000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 9000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 8000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 7000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 6000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 5000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 4500		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 4000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 3500		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 3000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 2500		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 2000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 1800		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 1500		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 1200		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 1000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 900		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 800		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 700		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 600		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 500		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 400		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 300		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 200		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 100		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 0		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.0	41.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
18000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
16000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
14000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
12000		47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
10000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
9000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
8000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
7000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
6000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
5000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
4300		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
4000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
3500		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
3000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2500		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
1800		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
1500		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
1200		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
1000		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
900		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
800		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
700		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
600		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
500		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
400		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
300		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
200		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
100		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
0		51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

NEWPORT, TN

STATION NAME

73-52

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
18000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
16000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
14000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
12000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
10000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
9000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
8000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
7000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
6000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
5000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
4500		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
4000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
3500		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
3000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2500		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1800		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1500		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1200		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1000		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
900		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
800		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
700		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
600		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
500		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
400		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
300		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
200		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
100		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
0		40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

MEMPHIS, TN

STATION NAME

73-80

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.9	46.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 20000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 18000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 16000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 12000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 10000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 9000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 8000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 6000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 5000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 4500	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 4000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 3500	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 3000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 2500	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 2000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1800	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1500	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1200	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 1000	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 900	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 800	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 700	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 600	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 500	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 400	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 300	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 200	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 100	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 0	45.9	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4

TOTAL NUMBER OF OBSERVATIONS

379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

WINDY, 10

STATION NAME

72-32

YEARS

580

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 20000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 18000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 16000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 14000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 12000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 10000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 9000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 8000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 7000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 6000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 5000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 4500	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 4000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 3500	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 3000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 2500	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 2000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 1800	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 1500	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 1200	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 1000	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 900	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 800	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 700	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 600	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 500	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 400	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 300	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 200	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 100	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 0	52.0	54.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4

TOTAL NUMBER OF OBSERVATIONS 777

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.3	44.5	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 18000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 16000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 14000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 12000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 10000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 9000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 8000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 7000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 6000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 5000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 4500		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 4000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 3500		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 3000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 2500		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 2000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 1800		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 1500		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 1200		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 1000		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 900		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 800		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 700		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 600		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 500		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 400		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 300		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 200		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 100		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4
IV 0		49.7	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.4

TOTAL NUMBER OF OBSERVATIONS

2474

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
MEMPHIS, TN

STATION NAME

YEARS
73-82

YEARS

ALL
MONTHSPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	44.3	48.1	50.1	51.3	52.1	52.5	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	41.1	45.3	48.5	50.8	52.8	54.2	55.6	56.9	58.3	59.7	61.1	61.1	61.2	61.2	61.3	61.3
IV 18000	31.1	35.8	38.5	40.8	42.8	44.2	45.6	46.9	48.3	49.7	51.1	51.1	51.2	51.2	51.3	51.3
IV 16000	21.1	25.8	28.5	30.8	32.8	34.2	35.6	36.9	38.3	39.7	41.1	41.1	41.2	41.2	41.3	41.3
IV 14000	11.1	15.8	18.5	20.8	22.8	24.2	25.6	26.9	28.3	29.7	31.1	31.1	31.2	31.2	31.3	31.3
IV 12000	2.1	5.8	8.5	10.8	12.8	14.2	15.6	16.9	18.3	19.7	21.1	21.1	21.2	21.2	21.3	21.3
IV 10000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 9000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 8000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 7000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 6000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 5000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 4500	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 4000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 3500	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 3000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 2500	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 2000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 1800	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 1500	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 1200	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 1000	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 900	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 800	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 700	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 600	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 500	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 400	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 300	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 200	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 100	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3
IV 0	1.1	4.8	7.5	9.8	11.8	13.2	14.6	15.9	17.3	18.7	20.1	20.1	20.2	20.2	20.3	20.3

TOTAL NUMBER OF OBSERVATIONS 224

DIRNAVOCEANMET SMOS

SKY COVER

97839 MEMPHIS, TN

73-82

JAN

STATION

STATIC NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00	30.6			13.9						8.1	47.4	5.9	310
	03	30.6			12.9						10.3	46.1	5.9	310
	06	27.1			15.5						11.0	46.5	6.1	310
	09	15.2			21.0						17.1	46.8	6.8	310
	12	11.6			18.4						19.4	50.6	7.4	310
	15	11.6			19.7						20.3	48.4	7.3	310
	18	15.2			22.6						15.8	46.5	6.7	310
	21	29.4			14.2						11.9	44.5	6.0	310
TOTALS		21.4			17.3						14.2	47.1	6.5	2480

NAVWEASERVCOM

SKY COVER

91839 MEMPHIS, TN

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00	31.2			17.4						11.7	39.7	5.5	282
	03	33.0			13.0						10.6	42.6	5.6	282
	06	22.7			19.1						11.7	46.5	6.3	242
	09	16.0			16.7						18.1	49.3	7.1	292
	12	15.2			16.3						20.9	47.5	7.1	292
	15	15.2			20.2						20.9	43.6	6.9	282
	18	14.2			22.0						21.3	42.6	6.8	282
	21	28.7			21.6						12.1	37.6	5.5	282
TOTALS		22.0			19.4						15.9	43.7	6.4	2256

NAVWEASERVCOM

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SKY COVER

93839 MEMPHIS, TN

73-62

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00	36.3			26.0						22.3	15.3	4.3	300
	03	29.0			27.3						23.3	20.3	5.0	300
	06	11.3			34.0						30.3	24.3	6.2	300
	09	14.0			26.7						31.3	26.0	6.3	300
	12	4.3			30.3						46.3	19.0	7.0	300
	15	5.0			37.7						38.3	19.0	6.5	300
	18	6.7			37.3						37.0	17.0	6.2	300
	21	23.3			32.0						26.3	18.3	5.2	300
TOTALS		16.5			31.7						31.9	19.9	5.8	2400

NAVWEASERVCOM

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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
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DETACHMENT ASHEVILLE NC AUG 84

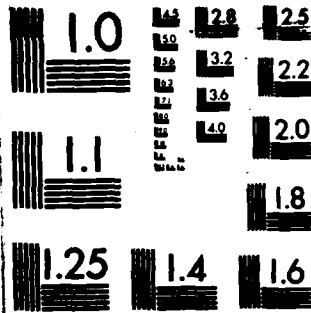
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SKY COVER

93839 MEMPHIS, TN

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	43.2			23.2						14.4	15.2	3.9	310
	03	39.0			27.1						17.4	16.5	4.0	310
	06	14.5			33.5						34.1	15.8	5.8	310
	09	22.6			33.9						23.5	20.0	5.1	310
	12	5.8			40.3						38.4	15.5	6.2	310
	15	2.6			44.8						38.1	14.5	6.2	310
	18	13.9			40.3						32.6	13.2	5.5	310
	21	30.6			33.9						20.0	15.5	4.4	310
TOTALS		21.5			34.6						28.1	15.8	5.1	2480

NAVWEASERVCOM

SKY COVER

MEMPHIS, TN

73-82

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STATION NAME:

PERIOD

CONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00	37.3			23.7						18.0	21.0	4.4	300
	03	38.7			20.3						15.3	25.7	4.6	300
	06	14.7			33.3						21.7	30.3	6.0	300
	09	21.0			26.3						25.3	27.3	5.8	300
	12	10.3			29.7						35.7	24.3	6.5	300
	15	8.0			35.7						31.0	25.3	6.4	300
	18	14.0			35.3						27.3	23.3	5.9	300
	21	32.7			28.0						17.7	21.7	4.6	300
TOTALS		22.1			29.0						24.0	24.9	5.5	2400

NAVWEASERVCOM

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SKY COVER

93839 MEMPHIS, TN

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00	35.6			13.9						13.3	37.2	5.3	309
	03	35.9			13.6						10.0	40.5	5.4	309
	06	30.6			14.2						15.8	39.4	5.8	310
	09	15.8			21.6						20.3	42.3	6.7	310
	12	15.8			21.6						19.0	43.5	6.7	310
	15	15.5			20.0						24.5	40.0	6.8	310
	18	20.7			22.0						15.5	41.7	6.2	309
	21	32.2			15.3						13.7	38.8	5.6	307
TOTALS		25.3			17.8						16.5	40.4	6.1	2474

NAVWEASERVCOM

SKY COVER

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MEMPHIS, TN

73-22

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	21.4			17.3						14.2	47.1	6.5	2480
FEB		22.0			18.4						15.9	43.7	6.4	2256
MAR		17.1			18.7						20.3	43.9	6.8	2480
APR		19.8			23.0						23.3	33.8	6.2	2400
MAY		15.6			25.2						25.8	32.5	6.3	2480
JUN		16.5			31.7						31.9	19.9	5.8	2400
JUL		18.8			35.7						28.3	17.2	5.3	2490
AUG		21.5			34.6						28.1	15.8	5.1	2480
SEP		22.1			29.0						24.0	24.9	5.5	2400
OCT		35.3			23.3						19.7	21.7	4.6	2479
NOV		26.7			19.2						16.2	37.9	5.8	2400
DEC		25.3			17.8						16.5	40.4	6.1	2474
TOTALS		21.9			24.5						22.0	31.6	5.9	29209

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NOCOD, Federal Building
Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum x^2$), sums of values ($\sum x$), means (\bar{x}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION MEMPHIS, TN STATION NAME 51-42 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2						.1	.5						.1
3						2.6	4.8	2.5	.9				.9
4					.5	12.5	25.6	15.9	5.2				5.0
5				.3	10.4	45.5	63.5	53.0	21.6	1.6			16.3
6			.1	6.6	34.8	74.2	88.9	82.3	48.6	10.9			27.5
7		.1	3.3	25.1	60.0	90.6	97.6	96.3	72.4	31.8	1.7	.1	37.5
8	.5	1.8	11.2	44.4	77.2	98.0	99.5	99.2	87.6	50.6	10.1	.6	48.4
9	2.4	7.3	25.3	63.1	89.3	99.9	99.9	99.9	95.9	67.9	25.2	4.3	54.1
10	9.9	15.6	30.4	78.6	96.6	100.0	100.0	100.0	98.9	82.2	39.8	12.8	64.6
11	18.5	28.3	54.9	89.4	99.2				99.7	93.2	56.6	24.3	77.1
12	28.7	45.3	69.1	95.9	100.0				100.0	97.6	70.6	38.0	77.4
13	42.0	55.0	81.0	98.8						99.7	81.5	55.1	84.5
14	55.3	69.9	89.9	99.7						100.0	70.4	70.4	87.7
15	67.3	81.6	96.1	100.0							96.6	84.6	93.9
16	82.1	89.5	98.6								99.0	93.1	97.9
17	91.3	96.8	99.8								99.8	97.5	99.2
18	96.3	99.1	100.0								100.0	99.5	99.6
19	99.0	99.9										99.8	99.9
20	99.7	100.0										99.9	100.0
21	100.0											100.0	100.0
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MEAN	4.2	51.3	80.5	12.1	80.3	88.2	93.0	89.5	83.5	73.7	64.5	51.2	74.7
S.D.	12.756	12.251	11.812	9.235	7.744	6.080	5.441	5.306	7.454	9.156	11.127	11.064	18.136
TOTAL OBS.	971	876	951	930	961	930	951	946	960	901	960	992	11629

NAVWEASERVCOM

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DAILY TEMPERATURES

STATION

MEMPHI, TN

STATION NAME

71-17

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2						1.1	2.0	.6					.1
3					.7	12.4	25.2	12.5	1.4				.1
4				1.2	2.0	45.7	77.4	59.3	23.4	1.7	.1	.1	1.0
5		.1	1.0	8.8	34.7	78.0	93.7	88.1	47.8	7.3	.6		3.0
6	.2	.6	5.2	24.3	61.0	93.4	98.4	97.1	69.1	19.3	4.6	1.4	34.6
7	2.4	1.9	11.9	41.9	90.2	99.2	100.0	99.9	87.1	34.0	10.7	3.4	47.8
8	5.4	5.5	22.6	59.6	91.7	99.9		100.0	95.4	53.0	20.1	8.4	55.7
9	10.0	14.0	36.3	76.8	98.6	100.0			99.0	72.9	32.4	13.4	62.2
10	18.7	26.5	54.2	71.5	99.9				100.0	88.9	50.4	26.5	71.4
11	30.1	43.9	74.1	98.0	100.0					97.3	70.6	44.8	8.0
12	47.3	64.3	91.8	100.0						99.7	86.6	65.2	23.7
13	65.7	81.3	97.8							100.0	95.5	84.4	24.1
14	72.3	92.0	99.1								99.0	94.0	97.2
15	81.2	96.9	99.8								100.0	97.7	94.8
16	96.4	99.2	100.0									99.3	99.6
17	98.0	100.0										99.6	99.8
18	99.5											99.8	99.9
19	100.0											99.9	100.0
20												100.0	100.0
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100													
MEAN		33.4	41.7	52.1	59.7	68.4	71.0	69.9	53.2	30.6	14.6	3.0	41.3
S.D.	11.4	11.65	11.926	11.943	11.787	11.441	11.155	11.593	11.297	10.086	10.184	10.303	16.77
TOTAL OBS.	71	876	971	977	961	937	961	986	96	991	97	992	1127

NAVWEASERVCOM

DAILY TEMPERATURES

STATION NAME STATION NAME YEARS
 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1						1.0	3.4	.7					.7
2						11.7	25.7	13.5	2.5				4.4
3						46.9	70.0	56.3	19.4	1.0			16.9
4				.4	5.9	35.7	77.3	94.6	89.1	43.6	7.0	.1	24.0
5	.1	.1	3.3	23.0	61.7	94.2	98.9	98.4	74.4	22.1	1.8	.3	30.8
6	1.1	1.4	11.7	42.5	90.5	99.8	99.9	99.8	90.1	41.7	9.5	1.5	49.3
7	6.1	5.3	22.6	62.5	93.3	100.0	100.0	100.0	27.5	63.6	20.9	6.0	56.4
8	9.1	14.5	33.4	67.5	98.5				99.7	80.9	37.0	12.0	64.7
9	17.3	25.9	55.9	82.5	100.0				100.0	24.1	54.4	24.2	70.1
10	28.0	41.9	73.3	98.4						24.8	73.0	48.5	70.6
11	40.5	61.8	88.1	99.8						100.0	95.4	62.1	94.9
12	63.4	77.4	95.4	100.0							95.8	80.8	90.2
13	7.1	34.1	98.4								99.7	91.5	96.3
14	29.4	36.2	99.7								99.8	96.3	98.4
15	25.5	38.8	100.0								100.0	99.2	99.4
16	27.8	99.9										99.5	99.8
17	28.6	100.0										99.9	100.0
18	29.9											100.0	100.0
19	100.0												100.0
20													
21													
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MEAN	64	42.1	51.3	63.4	70.2	74.5	81.5	77.9	73.6	62.4	50.9	42.7	61.7
S.D.	11.71	16.54	11.79	8.37	6.83	5.71	4.42	4.34	6.53	8.27	9.37	10.04	17.11
TOTAL OBS.	111	876	921	933	961	970	961	946	963	991	960	992	11429

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39

MEMPHIS, TN

1962-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	30.0	3.7	47.0	8.3	75	23.9	1952	37.2	-1.0	11	-11.7	1977
2	30.0	3.8	47.0	8.6	66	18.9	1966*	30.2	-1.0	10	-12.2	1979
3	30.0	3.8	46.7	8.2	65	18.3	1982	30.0	-0.7	14	-1.0	1979
4	26.0	2.7	45.0	7.2	66	18.9	1955	28.7	-1.8	3	-13.3	1959
5	22.8	3.2	45.5	7.5	60	20.6	1955	30.1	-1.1	6	-10.4	1959
6	20.0	3.6	47.0	8.3	60	20.6	1956	29.9	-1.2	4	-15.6	1970
7	26.0	2.7	45.3	7.4	71	21.7	1965	28.5	-1.9	5	-15.0	1970
8	25.0	2.1	44.0	7.1	72	22.2	1965	26.5	-3.1	5	-15.0	1970
9	35.0	2.1	45.4	7.4	72	22.2	1957	26.1	-3.3	5	-15.0	1970
10	23.0	.8	41.2	5.1	69	20.6	1975*	25.9	-3.4	-2	-18.9	1962
11	23.0	.9	41.9	5.5	69	20.6	1960	25.5	-3.6	-2	-18.9	1962
12	20.0	1.7	43.7	6.5	69	20.6	1960	26.3	-3.2	-2	-18.9	1962
13	20.4	3.0	46.6	8.1	72	22.2	1960	28.1	-7.2	8	-13.3	1963
14	20.4	3.6	46.7	8.2	70	21.1	1960	30.2	-1.0	11	-11.7	1982
15	20.0	3.8	46.0	8.9	71	21.7	1953*	29.6	-1.3	4	-15.6	1972
16	20.0	2.2	44.0	6.7	7	24.4	1952	28.0	-2.2	-1	-18.3	1982
17	20.0	2.3	44.4	6.9		.0	1952	27.9	-2.3	-1	-18.3	1982
18	20.0	3.5	46.5	8.1	7	2	1974	30.2	-1.0	7	-1.9	1977
19	20.4	4.7	48.6	9.2	71	.7	1974	32.2	.1	2	-16.7	1977
20	20.3	4.3	47.6	8.7	70	21.1	1959	31.9	-0.1	14	-10.0	1971
21	20.1	4.5	48.5	9.2	7	21.1	1959	31.6	-0.2	5	-15.0	1970
22	10.0	5.2	45.9	9.9		20.0	1967*	32.8	.4	12	-11.1	1959
23	20.4	4.1	45.4	9.1		22.0	1967	30.4	-0.9	3	-16.1	1963
24	20.7	3.7	47.1	8.4	75	23.9	1972	30.3	-0.9	0	-17.8	1963
25	-1.5	5.3	50.3	10.2	66	18.9	1981*	37.6	.3	10	-12.2	1963
26	20.3	5.7	50.5	10.3	74	24.0	1952	34.2	1.2	12	-11.1	1970
27	20.0	3.9	46.9	8.3	74	23.3	1975	31.1	-0.5	6	-14.4	1963
28	20.9	3.8	47.1	8.4	74	23.3	1975	30.6	-0.8	4	-15.6	1963
29	20.0	3.9	48.5	9.2	76	20.0	1975	29.5	-1.4	3	-16.1	1966
30	20.9	3.8	47.4	8.6	69	20.6	1982	31.4	-0.9		-17.8	1966
31	20.4	4.1	48.3	9.1	66	18.9	1974*	30.5	-0.8	7	-13.9	1965
Monthly	20.2	3.4	46.6	8.1	76	24.4	1975*	29.7	-1.3	-2	-18.9	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39

MEMPHIS, TN

1962-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	2.1	5.6	50.2	10.1	73	22.2	1967	34.1	1.2	12	-11.1	1981
2	12.1	4.2	48.0	8.9	69	20.6	1974	31.1	-0.9	12	-11.1	1965
3	27.8	3.2	45.3	7.4	72	22.2	1962	30.4	-0.9	12	-11.1	1971
4	42.2	4.6	49.6	9.8	66	20.0	1971*	31.0	-0.6	13	-10.6	1979
5	1.3	5.2	50.3	10.2	62	20.0	1973	32.4	.2	18	-7.8	1978
6	26.9	3.8	47.0	8.3	62	20.0	1963	30.8	-0.7	10	-12.2	1978
7	27.1	2.8	44.5	7.1	65	18.3	1966	29.4	-1.4	15	-9.4	1982
8	22.1	3.9	47.5	8.6	68	20.0	1957	30.7	-0.7	14	-10.0	1971
9	40.4	4.9	50.5	10.3	76	24.4	1957	31.2	-0.4	6	-14.4	1979
10	-1.4	5.2	52.0	11.1	74	23.3	1954	30.8	-0.7	11	-11.7	1979
11	20.9	4.4	49.2	9.6	68	20.7	1961	30.5	-0.8	9	-12.8	1981
12	20.9	4.4	48.3	9.1	77	25.0	1962	31.5	-0.3	13	-10.6	1981
13	-2.5	5.8	51.4	10.8	80	26.7	1962	33.6	.9	19	-7.2	1980*
14	45.2	7.3	53.8	12.1	73	22.8	1976	36.6	2.6	19	-7.2	1971
15	43.9	6.6	51.6	10.9	74	23.3	1954	36.3	2.4	14	-10.0	1958
16	41.4	5.3	49.5	9.7	75	23.9	1961	33.7	.9	7	-13.9	1958
17	-2.2	5.7	51.0	10.6	74	23.3	1976	33.4	.8	5	-15.0	1958
18	42.5	5.9	52.2	11.2	75	23.9	1961	33.0	.6	6	-14.4	1959
19	-2.5	5.8	50.9	10.5	70	21.1	1981	34.1	1.2	11	-11.7	1978
20	42.7	5.9	52.9	11.6	75	23.9	1976	32.9	.3	13	-10.6	1958
21	43.7	6.5	53.8	12.1	72	22.2	1967	33.6	.9	13	-10.6	1963
22	-3.3	6.3	51.7	10.9	71	21.7	1977	34.9	1.6	7	-13.9	1963
23	-6.2	7.9	56.0	13.3	79	26.1	1982	36.5	2.5	20	-6.7	1964
24	45.3	7.4	55.0	12.8	73	22.8	1957	35.5	1.9	20	-6.7	1967
25	45.3	7.4	54.7	12.5	77	25.0	1981	35.8	2.1	14	-10.0	1965
26	44.4	6.9	53.7	12.1	76	24.4	1981	35.1	1.7	19	-7.2	1980*
27	47.5	8.6	57.3	14.1	78	25.8	1981*	37.7	3.2	19	-7.2	1963
28	47.7	8.7	56.7	13.3	74	23.3	1980*	39.3	4.1	25	-3.9	1977
29	45.4	7.7	56.2	13.3	76	24.4	1972	35.7	2.1	27	-2.8	1964
30												
31												
Monthly	2.3	5.7	51.3	10.7	81	26.7	1962	33.4	.8	5	-15.0	1958

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	40.5	8.1	55.2	12.9	74	23.3	1976*	37.8	3.2	17	-8.3	1981
2	42.4	9.1	57.5	14.2	76	24.4	1976	39.3	4.1	14	-10.0	1980
3	46.0	8.9	55.5	13.1	77	26.1	1976	40.5	4.7	17	-8.3	1980
4	48.4	9.1	57.1	13.9	80	26.7	1976	39.6	4.2	17	-8.3	1980
5	46.0	7.8	55.8	13.2	75	23.9	1967*	36.2	2.3	12	-11.1	1967
6	45.2	7.9	54.8	12.7	74	25.6	1956	37.6	3.1	22	-5.6	1960
7	46.4	8.2	56.0	13.3	77	25.0	1974	37.6	3.1	24	-4.8	1966
8	47.3	8.5	57.7	14.3	84	28.9	1974	36.9	2.7	25	-3.9	1967
9	47.9	9.4	59.0	15.0	80	26.7	1974	38.8	3.8	26	-3.3	1969
10	51.3	10.6	60.2	15.7	78	25.6	1974	41.8	5.4	24	-4.8	1969
11	53.5	11.9	62.5	16.9	80	26.7	1967*	44.5	6.9	26	-3.3	1969
12	53.6	12.0	62.6	17.0	82	27.8	1967	44.0	6.9	27	-2.8	1967
13	52.0	11.1	61.6	16.4	83	28.3	1967	42.4	5.8	25	-3.9	1969
14	51.1	10.6	60.0	15.6	80	26.7	1971	42.1	5.6	26	-2.2	1967
15	51.3	10.7	60.7	15.9	81	27.2	1977	41.9	5.5	28	-2.2	1954
16	50.0	10.0	59.0	15.0	79	26.1	1982	41.0	5.0	30	-1.1	1954
17	51.7	10.4	61.1	16.2	87	30.6	1982	40.4	4.7	29	-1.7	1976*
18	52.3	11.3	61.2	16.6	84	28.9	1982	42.7	5.9	27	-2.8	1967
19	53.4	11.9	62.0	16.7	82	27.8	1982	44.8	7.1	21	-6.1	1965
20	54.1	12.3	63.6	17.6	81	27.2	1982*	44.6	7.0	19	-7.2	1965
21	50.5	10.3	58.7	14.8	82	27.8	1966	42.2	5.7	26	-3.3	1965
22	47.9	9.9	59.5	15.3	79	26.1	1966	40.4	4.7	28	-2.2	1966
23	51.4	10.8	63.4	17.4	70	25.6	1967	39.5	4.2	25	-3.9	1974
24	51.0	11.1	61.2	16.2	81	27.2	1982*	42.6	5.9	23	-5.0	1974
25	50.0	10.0	59.1	15.1	74	25.6	1967	41.0	5.0	26	-3.3	1955
26	49.6	9.8	58.1	14.5	77	25.0	1977	41.1	5.1	18	-7.8	1955
27	52.3	11.6	62.5	16.9	76	24.4	1961*	43.3	6.3	21	-6.1	1955
28	57.2	14.0	68.3	20.2	70	26.1	1963	46.2	7.9	20	-1.1	1955
29	57.2	14.0	67.5	19.7	82	27.8	1963	46.9	8.3	30	-1.1	1964
30	55.7	13.2	65.0	18.3	82	27.8	1978*	46.4	8.0	25	-3.9	1964
31	57.5	14.2	67.8	19.9	84	28.9	1974	47.3	8.5	34	1.1	1957
Monthly	51.1	10.6	60.5	15.8	87	30.6	1982	41.7	5.4	12	-11.1	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 39 MEMPHIS, TN STATION NAME 1952-1982 YEARS APRIL MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	58.9	14.9	69.5	20.8	87	30.6	1982	48.3	9.1	34	1.1	1954
2	59.5	15.3	70.2	21.2	83	28.3	1978	48.9	9.4	34	1.1	1971
3	59.9	15.5	71.1	21.2	84	28.9	1974	49.7	9.8	34	1.1	1975
4	57.7	13.9	67.6	19.8	82	27.8	1954	46.3	7.9	33	.6	1975
5	58.7	13.3	65.2	18.4	86	30.0	1967	46.4	8.2	35	1.7	1971
6	58.6	13.7	66.8	19.3	85	29.0	1954	46.5	8.1	32	.1	1962
7	59.3	15.3	70.7	21.5	88	31.1	1978	48.4	9.1	33	.6	1982
8	58.6	14.0	68.8	20.4	86	30.0	1978	48.3	9.1	34	1.1	1972
9	58.7	14.6	67.7	19.8	85	29.0	1978	48.8	9.3	34	1.1	1964
10	57.5	14.2	67.7	19.8	84	28.9	1977	47.5	8.6	32	.0	1976
11	58.7	15.7	70.1	21.2	84	28.9	1977	50.5	10.3	32	.0	1973
12	60.3	16.1	72.4	21.3	86	30.0	1972	51.3	10.7	32	.0	1957
13	59.2	15.1	68.7	20.4	88	31.1	1972	49.6	9.8	35	1.7	1957
14	60.7	15.9	70.7	21.5	87	30.6	1972	50.7	10.4	35	1.7	1959
15	61.4	16.3	72.9	22.7	89	31.7	1972	49.9	9.9	36	2.2	1980
16	61.7	17.1	73.3	22.9	87	30.6	1977	52.1	11.2	35	1.7	1962
17	64.3	17.9	74.9	23.8	88	31.1	1955	53.8	12.1	39	3.9	1956
18	57.7	18.7	75.9	24.4	87	30.6	1955	55.6	13.1	38	1.1	1953
19	55.4	18.6	75.2	24.7	87	30.6	1971	55.6	13.1	34	1.1	1953
20	55.2	18.8	76.6	24.4	85	29.0	1960	55.0	12.8	37	2.8	1953
21	64.4	18.0	74.3	23.5	87	30.6	1965	54.5	12.5	36	2.2	1978
22	67.2	19.6	77.8	25.4	91	32.8	1982	56.6	13.7	40	4.4	1978
23	66.4	19.1	75.7	24.3	91	32.2	1965	57.1	13.9	38	3.3	1959
24	64.2	17.8	72.7	22.6	89	31.7	1965	55.3	12.9	42	5.6	1956
25	63.2	17.3	72.5	22.5	86	30.0	1960	54.0	12.2	43	6.1	1972
26	64.3	17.8	73.4	23.0	87	30.6	1954	50.7	12.6	41	5.0	1972
27	65.4	18.8	74.9	23.9	86	30.0	1981	55.9	13.3	43	6.1	1978
28	64.5	19.2	76.1	24.5	87	30.6	1952	56.4	13.8	42	5.6	1979
29	65.3	18.8	75.1	23.9	91	32.4	1952	56.4	13.7	44	6.7	1965
30	67.3	19.6	77.5	25.3	89	31.7	1952	57.2	14.0	44	6.7	1969
31												
Monthly	60.1	16.7	72.1	22.3	91	32.0	1982	52.1	11.2	32	.0	1982

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 39 MEMPHI, TN STATION NAME 1952-1982 YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	56.6	13.7	75.0	23.9	89	31.7	56.2	13.4	41	4.4
2	56.2	13.4	75.2	24.0	92	33.3	55.2	12.9	42	5.6
3	56.6	13.7	75.8	24.3	92	33.3	55.4	13.0	41	5.0
4	60.1	15.6	76.2	24.6	92	33.3	55.7	13.2	36	2.2
5	60.1	15.6	74.5	23.9	94	34.4	57.6	14.2	44	6.7
6	60.1	15.6	76.6	25.9	92	33.3	59.7	15.4	46	7.8
7	60.0	15.6	76.9	26.1	92	33.3	59.1	15.1	45	7.2
8	60.7	15.9	76.6	25.9	91	32.2	58.8	14.9	47	8.3
9	67.1	19.5	76.7	24.9	87	30.6	57.5	14.2	45	7.2
10	60.1	15.6	76.4	25.8	91	32.0	58.0	14.4	41	5.0
11	60.1	15.6	76.3	25.7	90	32.2	59.9	15.5	45	7.2
12	60.8	15.9	77.9	25.5	90	32.2	59.6	15.3	44	6.7
13	60.1	15.6	76.8	26.0	92	33.3	59.1	15.1	46	7.8
14	60.1	15.6	76.4	25.8	92	33.3	58.6	14.8	46	7.8
15	60.8	15.9	76.3	25.7	91	32.2	59.3	15.2	47	8.3
16	60.1	15.6	76.4	26.9	91	32.5	60.3	15.7	47	8.3
17	61.3	16.3	76.9	27.2	94	34.4	62.1	16.7	52	11.1
18	60.2	15.6	76.2	28.4	92	33.3	61.3	16.3	50	10.0
19	61.2	16.3	76.3	26.8	92	33.3	62.1	16.7	47	8.3
20	61.3	16.3	76.6	27.6	93	33.4	61.4	16.3	50	10.0
21	62.7	17.6	76.5	28.6	92	33.3	62.0	16.7	47	8.3
22	63.1	17.8	76.7	28.2	93	33.9	63.5	17.5	48	8.9
23	64.5	18.6	76.6	29.2	92	33.3	64.5	18.1	46	7.8
24	64.3	18.5	76.8	28.8	92	33.3	64.2	17.9	50	10.0
25	64.7	18.7	76.4	29.1	93	33.9	65.1	18.4	49	9.4
26	64.4	18.5	76.3	28.3	95	35.0	63.7	17.6	47	8.3
27	65.2	18.9	76.8	28.2	95	35.0	63.6	17.6	45	7.2
28	64.3	18.5	76.8	28.8	92	33.3	64.3	17.8	48	8.9
29	64.5	18.6	76.5	29.2	96	35.6	64.5	18.1	49	9.4
30	64.3	18.5	76.7	28.7	98	36.7	64.9	18.3	51	11.6
31	64.1	18.4	76.3	27.8	94	34.4	64.2	17.9	53	11.7
Monthly	60.0	15.6	76.3	26.8	90	36.7	60.7	15.9	36	2.2

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

MEMPHI, TN

STATION NAME

1952-1982

YEARS

JUNE

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	74.7	23.7	83.8	28.8	95	35.7	1953	65.5	18.6	49	9.4	1972
2	74.3	23.3	83.4	28.6	92	33.3	1980	64.5	18.1	56	12.2	1956
3	74.3	23.5	84.3	29.1	93	33.3	1980	64.3	17.9	57	10.0	1969
4	75.2	24.0	86.3	30.2	95	35.0	1980	65.5	18.6	55	12.8	1964
5	76.5	24.8	86.6	30.3	100	37.8	1958	66.7	19.3	54	12.2	1954
6	77.9	25.4	88.1	31.2	97	36.1	1980	67.5	19.7	56	14.4	197
7	77.1	25.1	87.0	30.6	96	35.6	1953	67.2	19.6	59	15.0	1976
8	78.6	25.9	89.3	31.1	97	36.1	1982	67.9	19.9	55	12.8	1977
9	78.9	26.1	88.8	31.6	98	36.7	1953	68.9	20.5	58	14.4	1978
10	78.1	25.6	87.8	31.0	99	37.2	1953	68.5	20.3	56	13.3	1955
11	78.2	25.7	88.6	31.4	102	38.9	1953	67.8	19.9	55	12.8	1966
12	78.9	26.1	89.0	31.7	97	36.1	1977	68.8	20.4	56	13.3	198
13	78.9	26.1	89.0	31.7	98	36.7	1953	68.7	20.4	59	15.0	198
14	78.7	25.9	88.2	31.2	98	36.7	1952	69.1	20.6	59	15.0	1959
15	78.7	25.9	87.1	30.6	100	37.8	1952	68.2	20.1	55	12.8	1978
16	78.3	25.0	86.0	30.0	98	36.7	1953	68.0	20.0	57	13.9	1969
17	77.4	25.5	87.5	30.8	99	37.2	1953	68.3	20.2	58	14.4	1969
18	78.7	25.9	88.9	31.6	102	38.9	1953	68.4	20.2	59	15.0	1960
19	78.8	26.0	88.9	31.6	101	38.3	1953	68.7	20.4	59	15.0	1961
20	79.5	26.4	89.2	31.4	101	38.3	1953	69.8	21.0	60	15.6	1976
21	79.5	26.4	89.6	32.0	100	37.8	1953	69.3	20.7	56	13.3	1976
22	79.8	26.6	89.9	32.2	100	37.8	1953	69.6	20.9	58	14.4	1961
23	79.2	26.2	88.7	31.5	100	37.9	1953	69.6	20.9	54	12.2	1972
24	79.1	26.2	89.3	31.9	101	38.3	1981	69.0	20.6	59	15.0	1974
25	79.7	26.1	88.4	31.3	100	37.7	1981	69.7	20.9	57	13.9	1979
26	78.9	26.1	88.3	31.3	104	40.0	1954	69.5	20.8	57	13.9	1958
27	79.8	26.6	89.6	32.0	106	41.1	1954	72.0	21.1	59	15.0	1974
28	79.8	27.0	90.7	32.6	104	40.0	1952	70.5	21.4	59	15.0	1970
29	79.2	27.2	91.5	33.1	100	37.4	1978	70.5	21.4	61	16.1	1974
30	79.8	27.7	91.5	33.1	101	38.1	1953	72.1	22.3	63	17.2	1974
31												
Monthly	78.7	25.7	88.2	31.2	106	41.1	1954	68.4	20.2	49	9.4	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39 MEMPHIS, TN 1952-1982 JULY
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	71.7	22.1	91.3	32.9	102	38.9	1954	71.7	22.1	65	18.3	1979		
2	71.6	22.0	91.3	32.9	102	38.9	1954	71.6	22.0	65	18.3	1976		
3	71.6	22.0	91.5	33.1	99	37.2	1987	71.6	22.0	58	14.4	1959		
4	71.3	21.8	91.3	32.9	101	38.3	1954	71.3	21.8	60	15.6	1966		
5	70.5	21.4	90.2	32.3	104	40.0	1954	70.5	21.4	56	13.3	1968		
6	71.0	21.7	90.7	32.6	102	38.9	1954	71.0	21.7	57	13.9	1972		
7	71.4	21.9	91.5	33.1	102	38.9	1980	72.0	22.2	57	13.9	1972		
8	71.9	22.2	91.4	33.0	100	37.8	1980	72.4	22.4	59	15.0	1972		
9	71.4	22.1	90.9	32.7	101	38.3	1980	71.8	22.1	61	16.1	1952		
10	71.1	22.3	90.9	32.7	101	38.3	1980	71.8	21.9	60	15.6	1963		
11	70.6	22.0	90.4	32.4	101	38.3	1980	70.9	21.6	60	15.6	1963		
12	70.8	22.1	91.5	33.1	102	38.9	1980	70.7	21.2	62	16.7	1963		
13	72.0	22.8	92.3	33.5	104	40.9	1954	71.8	22.1	61	16.1	1964		
14	71.7	22.6	91.1	32.8	105	40.6	1980	72.4	22.4	58	14.4	1964		
15	72.4	22.4	92.4	33.6	104	41.1	1980	72.3	22.4	59	15.0	1967		
16	71.8	22.6	90.6	32.6	103	39.4	1980	72.7	22.6	61	16.1	1967		
17	72.1	22.8	91.9	33.3	101	38.3	1980	72.3	22.4	61	16.1	1976		
18	71.9	22.7	91.8	33.2	103	39.4	1954	71.9	22.2	58	14.4	1976		
19	72.2	22.9	91.8	33.2	100	37.8	1980	72.5	22.5	58	14.4	1976		
20	71.5	22.5	91.0	32.4	100	37.8	1982	72.1	22.3	64	17.8	1971		
21	71.0	22.2	90.6	32.6	101	38.3	1982	71.4	21.9	59	15.0	1971		
22	71.1	22.3	90.2	32.3	100	37.8	1952	71.9	22.2	59	15.0	1971		
23	71.4	22.4	90.1	32.3	101	38.3	1952	72.6	22.6	67	19.4	1971		
24	71.4	22.4	89.7	32.1	99	37.2	1965	73.1	22.8	69	20.6	1971		
25	71.3	22.4	90.1	32.3	101	38.3	1952	72.5	22.5	66	18.9	1957		
26	71.8	22.7	91.1	32.8	102	38.9	1952	72.5	22.5	68	20.0	1962		
27	72.7	22.8	91.4	33.0	106	41.1	1952	72.7	22.6	62	16.7	1962		
28	71.7	22.6	90.7	32.6	106	41.1	1952	72.7	22.6	66	18.9	1962		
29	70.9	22.2	90.1	32.3	105	40.6	1952	71.7	22.1	65	18.3	1981		
30	70.7	22.1	89.8	31.9	97	36.1	1980	72.1	22.3	61	16.1	1971		
31	70.7	22.1	89.8	32.1	99	37.2	1981	71.5	21.9	57	13.9	1971		
Monthly	71.4	22.4	90.9	32.7	106	41.1	1980	71.9	22.2	56	13.3	1968		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 19 MEMPHI, TN STATION NAME 1952-1982 YEARS A GUST MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	68.6	27.1	89.7	32.1	98	36.7	1960	71.9	22.2	60	15.6	1971
2	68.2	26.9	89.1	31.7	97	36.1	1960	71.5	21.9	52	16.7	1973
3	68.9	27.2	90.5	32.5	100	37.8	1954	71.3	21.8	52	16.7	1977
4	68.0	27.2	91.0	32.8	100	37.8	1964	71.0	21.7	59	15.0	1976
5	68.2	27.3	90.7	32.6	100	37.8	1956	71.6	22.0	60	15.6	1974
6	68.8	27.1	91.0	32.8	102	38.9	1956	70.6	21.4	62	16.7	1966
7	68.2	26.9	90.3	32.4	97	36.1	1980*	70.6	21.4	54	14.4	1976
8	68.4	26.9	90.4	32.4	102	38.9	1980	70.7	21.5	55	12.8	1976
9	68.2	26.9	89.8	32.1	100	37.8	1980	70.5	21.4	54	12.2	1976
10	70.5	26.4	89.5	31.9	98	36.7	1980	69.7	20.9	55	12.8	1976
11	70.4	26.3	89.2	31.9	100	37.8	1954	69.6	20.9	57	13.9	1976
12	70.7	25.9	88.3	31.3	97	36.1	1954*	69.2	20.7	58	14.4	1967
13	70.3	25.8	88.1	31.2	102	38.9	1954	68.8	20.4	55	12.8	1964
14	70.4	26.3	89.3	31.8	100	37.8	1956	69.5	20.8	55	12.8	1967
15	70.7	26.5	89.2	31.8	100	37.8	1953	70.2	21.2	60	15.6	1964*
16	70.2	27.2	90.6	32.6	101	38.3	1954	71.2	21.8	57	13.9	1963
17	70.2	26.9	90.0	32.2	103	39.4	1954	71.0	21.7	61	15.6	1979
18	70.8	26.6	89.6	32.0	98	36.7	1956*	70.0	21.1	59	15.0	1976
19	70.5	26.8	90.2	32.3	98	36.7	1980*	70.5	21.4	63	17.2	1964
20	70.4	26.3	89.4	31.9	98	36.7	1980*	69.4	20.8	63	17.2	1967*
21	70.8	26.0	89.0	31.7	100	37.8	1980	68.6	20.3	59	15.0	1961*
22	70.3	25.7	88.3	31.3	96	35.6	1968	68.3	20.2	56	13.3	1974
23	70.4	25.8	88.1	31.2	97	36.1	1968	68.8	20.4	57	15.7	1956
24	70.4	26.3	89.2	31.8	98	36.7	1959	69.5	20.8	62	16.7	1952
25	70.2	26.2	89.5	31.9	98	36.7	1978	69.0	20.6	59	15.0	1966
26	70.4	26.3	90.2	32.3	101	38.3	1980	68.7	20.4	56	13.3	1958
27	70.1	26.2	89.1	31.7	99	37.2	1954	69.2	20.7	60	15.6	1958
28	70.8	26.0	89.4	31.9	104	40.0	1954	68.3	20.2	56	13.3	1967
29	70.5	25.8	88.2	31.2	101	38.3	1954	68.8	20.4	57	13.9	1967
30	70.6	25.9	88.3	31.3	95	35.0	1977*	68.8	20.4	58	14.4	1976
31	70.4	25.8	88.2	31.2	97	36.1	1977	68.7	20.4	57	13.9	1967
Monthly	70.7	26.5	89.5	31.9	104	40.0	1954	69.9	21.1	54	12.2	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39 MEMPHIS, TN 1951-1982 SEPTEMBER
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	77.7	25.5	87.2	30.7	101	38.3	1951		68.5	20.3	55	12.8
2	77.6	25.3	87.7	30.9	97	36.7	1975		67.6	19.8	56	13.3
3	77.7	25.4	87.7	30.9	100	37.8	1975		67.7	19.8	54	12.2
4	77.1	25.1	86.9	30.5	104	40.0	1954		67.2	19.6	52	11.1
5	76.7	24.9	86.8	30.4	104	40.0	1954		67.7	19.4	55	12.8
6	76.8	24.9	86.9	30.5	99	37.2	1987		66.8	19.3	54	12.2
7	76.7	24.8	86.8	30.4	99	37.2	1987		66.6	19.2	56	13.3
8	76.7	24.9	86.8	30.4	100	37.8	1987		67.0	19.4	57	13.9
9	76.6	24.8	86.8	30.4	101	38.3	1980		66.3	19.1	55	12.8
10	76.4	23.6	86.2	29.0	93	33.9	1953		66.6	18.1	51	10.6
11	73.5	23.1	83.4	28.6	94	34.4	1953		63.6	17.6	49	9.4
12	74.5	23.3	84.2	29.7	98	36.7	1980		63.7	17.6	49	9.4
13	75.1	22.8	83.1	28.4	97	36.1	1980		63.1	17.3	48	8.9
14	73.7	23.2	84.7	28.9	96	35.6	1981		63.4	17.4	45	7.2
15	73.7	23.2	83.5	28.6	99	37.2	1954		63.8	17.7	40	10.0
16	73.7	23.2	83.3	28.5	99	37.2	1987		64.1	17.8	47	8.3
17	73.3	22.9	82.9	28.3	97	36.1	1953		63.7	17.6	48	8.9
18	73.7	22.8	82.8	28.2	95	35.0	1953		63.1	17.3	45	7.2
19	72.7	22.7	81.4	28.6	95	35.0	1954		62.4	16.9	43	6.1
20	77.1	22.8	81.3	28.5	96	35.6	1954		62.9	17.2	49	9.4
21	72.2	22.3	82.3	27.0	96	35.6	1955		62.1	16.7	47	8.3
22	70.9	21.6	80.6	27.0	93	33.9	1955		61.2	16.2	44	6.7
23	70.7	21.2	80.2	26.8	90	32.2	1961		60.1	15.6	46	7.8
24	69.5	20.8	79.8	26.6	89	31.7	1959		59.2	15.1	45	7.2
25	69.9	21.1	80.5	26.9	92	33.3	1954		59.3	15.2	43	6.1
26	70.4	21.3	80.8	27.1	94	34.4	1954		60.1	15.6	43	6.1
27	69.9	21.1	80.3	26.8	94	34.4	1954		59.6	15.3	47	4.0
28	69.7	20.0	78.2	25.7	98	36.7	1953		57.8	14.3	41	5.7
29	64.1	20.1	79.6	26.4	97	36.1	1953		56.7	13.7	41	5.7
30	64.8	20.4	79.8	27.1	97	36.1	1953		56.9	13.8	44	6.7
31												
Monthly	73.4	23.4	83.5	28.6	104	40.0	1954		63.2	17.3	40	4.4

*ALSO ON EARLIER YEARS

DINAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 039 MEMPHIS, TN STATION NAME 1951-1982 YEARS OCTOBER MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	67.0	20.1	72.9	26.6	94	34.4	1953	56.6	13.7	43	6.1	1976
2	67.2	19.6	73.5	25.8	91	32.8	1954	56.5	13.3	39	3.9	1975
3	67.2	19.6	79.1	26.2	93	33.7	1954	55.3	12.9	35	1.7	1975
4	67.5	19.7	79.1	26.2	91	32.7	1954	55.9	13.3	40	4.4	1974
5	67.7	19.4	75.5	25.8	92	33.3	1954	55.5	13.1	40	4.4	1961
6	55.5	18.6	76.7	24.4	87	31.7	1955	54.9	12.7	39	3.9	1964
7	53.3	17.4	73.6	23.1	84	28.9	1967	53.1	11.7	34	1.1	1964
8	44.0	18.2	76.5	24.7	87	30.6	1963	53.2	11.8	36	2.2	1974
9	44.1	17.8	75.6	24.2	89	31.7	1967	52.6	11.4	37	2.8	1976
10	44.1	17.8	76.3	24.6	89	31.7	1959	52.7	11.1	36	2.2	1976
11	45.6	18.7	76.1	25.6	91	32.3	1975	53.7	11.7	39	3.9	1976
12	46.4	19.1	77.7	25.4	90	32.2	1975	55.2	12.9	37	2.8	1977
13	55.7	18.3	76.7	24.9	89	31.7	1963	53.2	11.8	34	1.1	1977
14	46.6	18.1	76.2	24.6	88	31.1	1963	53.0	11.7	35	1.7	1979
15	43.6	17.7	75.3	24.1	85	29.4	1975	57.3	11.3	36	2.2	1974
16	42.3	16.8	73.4	23.1	87	30.6	1971	51.2	10.7	35	1.7	1952
17	41.7	16.5	73.6	23.1	87	31.7	1953	49.9	9.9	36	2.2	1977
18	60.7	16.1	72.8	22.7	90	32.2	1953	48.9	9.0	35	1.7	1976
19	57.4	14.7	70.4	21.3	85	29.4	1953	46.4	8.7	34	2.2	1975
20	55.7	14.8	71.8	22.1	88	31.1	1953	45.6	7.6	29	-1.7	1976
21	50.5	15.7	72.9	22.7	38	31.1	1953	47.6	8.7	28	-2.2	1976
22	41.2	16.2	73.3	22.9	88	31.1	1953	49.0	9.4	31	-0.6	1952
23	41.5	15.8	72.4	22.4	83	28.3	1973	43.5	9.2	33	.6	1952
24	59.1	14.8	69.9	20.5	85	29.4	1973	47.7	8.5	31	-0.6	1961
25	57.4	14.1	69.2	20.7	83	28.3	1973	45.6	7.6	33	.6	1965
26	57.2	14.0	69.0	20.6	82	27.8	1973	45.3	7.4	31	-0.6	1972
27	57.4	14.1	69.2	20.7	83	28.3	1971	45.7	7.6	32	.7	1947
28	56.1	13.4	67.0	19.4	87	30.6	1971	45.1	7.3	31	-1.1	1957
29	55.4	13.3	65.9	18.8	84	28.9	1971	45.8	7.7	29	-2.2	1952
30	57.8	14.3	66.6	20.3	56	30.0	1961	46.9	8.3	32	.3	1973
31	59.1	15.1	69.8	21.7	51	27.7	1971	48.0	9.1	33	.6	1968
Monthly	47.2	16.8	73.7	23.2	94	34.4	1973	50.6	10.3	28	-2.2	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39 MEMPHI, T. 1-1-1982 NOVEMBER
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	66.4	14.7	68.8	20.4	81	27.2	1973*	48.7	8.9	29	-1.7	1976
2	67.1	13.7	67.8	19.9	82	27.8	1974	46.4	8.2	25	-3.9	1951
3	3.5	11.9	63.5	17.5	82	27.8	1974*	43.6	6.4	22	-5.6	1951
4	6.2	11.2	61.6	16.4	81	27.2	1978	42.8	6.0	26	-3.3	1976
5	2.7	11.5	62.8	17.1	81	27.2	1978	42.6	5.9	21	-6.1	1976
6	1.7	10.9	62.5	16.9	75	23.9	1978*	40.9	4.9	26	-3.3	1967
7	1.1	10.7	60.9	16.1	79	26.1	1954	41.8	5.4	24	-4.4	1959
8	1.1	11.1	62.9	17.2	79	26.1	1975	42.8	4.9	22	-5.6	1976
9	1.4	10.8	63.2	17.3	76	24.4	1981	39.7	4.3	26	-3.3	1961
10	1.1	10.6	62.6	17.0	75	23.9	1981	39.6	4.2	26	-3.3	1973
11	2.2	11.2	63.3	17.4	76	24.4	1978	41.5	5.7	21	-3.9	1961
12	2.7	11.5	63.7	17.6	77	25.0	1954	41.6	5.3	24	-4.4	1976
13	3.7	11.7	64.7	18.2	83	28.3	1955	41.4	5.2	26	-3.3	1968
14	2.6	11.4	62.7	16.7	79	26.1	1971	43.3	6.3	24	-4.4	1969
15	3.1	12.2	64.4	18.7	81	26.7	1964	43.4	6.3	24	-4.4	1974
16	3.1	11.7	63.6	17.6	81	27.2	1958	42.6	5.9	24	-4.4	1976*
17	1.6	10.9	61.3	16.3	82	27.8	1958	41.9	5.5	20	-6.7	1959
18	.1	10.1	59.6	15.3	76	24.4	1981	40.6	4.8	19	-7.2	1959
19	4.7	9.8	53.7	14.8	75	23.9	1981*	40.6	4.8	23	-5.0	1951
20	4.3	9.6	58.8	14.9	76	24.4	1979	39.8	4.3	25	-3.9	1968
21	4.3	9.6	58.9	14.9	72	22.2	1982*	39.7	4.3	21	-6.7	1964
22	4.9	9.4	52.4	14.7	75	23.9	1974	39.4	4.1	16	-8.9	1964
23	4.1	9.5	58.2	14.6	76	24.4	1973	40.0	4.4	19	-7.2	1971
24	4.2	8.4	55.7	13.2	81	26.7	1973	38.8	3.8	16	-8.9	1971
25	4.2	9.0	58.2	14.6	75	23.9	1965	38.3	3.5	22	-5.6	1970
26	4.5	9.7	58.6	14.8	82	27.8	1965	40.3	4.6	22	-5.6	1977
27	4.5	8.6	56.2	13.4	71	21.7	1973*	38.8	3.8	26	-7.3	1975
28	4.6	5.9	51.2	10.7	75	23.9	1961	38.0	3.1	19	-7.2	1955
29	4.3	5.7	51.1	10.6	73	22.2	1971	33.5	.8	14	-7.8	1976
30	4.7	5.9	52.0	11.3	73	22.2	1975*	33.7	.6	17	-8.3	1964
31												
Monthly	10.6	10.3	60.5	15.9	83	28.9	1955	40.6	4.8	16	-8.9	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

39

MEMPHIS, TN

1951-1982

OCEAN

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	47.4	7.4	55.2	12.3	77	25.6	1982		35.7	2.1	17	-8.3	1964	
2	47.1	8.4	56.3	13.5	87	26.7	1982		37.9	3.3	20	-6.7	1972	
3	47.3	9.6	58.4	14.7	76	24.4	1982		47.2	4.6	21	-6.1	1979	
4	47.6	8.7	57.9	14.4	71	21.7	1977		37.3	2.9	21	-6.1	1974	
5	47.6	8.7	56.9	13.9	72	22.2	1975		38.2	3.4	24	-4.4	1974	
6	45.6	7.7	53.9	12.2	76	24.4	1951		37.7	3.2	22	-5.6	1972	
7	46.5	6.9	53.1	11.7	73	22.8	1978		36.7	2.2	27	-6.7	1977	
8	43.7	6.5	51.9	11.1	67	20.5	1952		35.6	2.0	23	-5.7	1976	
9	43.6	6.9	46.9	9.4	77	22.2	1952		32.7	.4	21	-6.1	1976	
10	41.6	5.8	49.8	9.9	73	22.8	1971		33.5	.8	15	-8.9	1977	
11	41.6	5.5	49.7	9.8	69	20.6	1979		34.1	1.2	10	-12.2	1962	
12	42.4	5.8	50.5	10.3	65	20.0	1975		34.2	1.2	4	-15.6	1962	
13	39.7	4.3	47.7	8.7	74	23.3	1967		31.6	-0.2	4	-15.6	1962	
14	40.1	4.5	48.7	9.3	71	21.7	1975		31.4	-0.3	12	-11.1	1958	
15	40.0	4.4	46.1	8.9	70	21.1	1971		32.7	.0	13	-10.6	1958	
16	40.7	4.3	46.2	9.0	66	18.9	1977		31.2	-0.4	14	-17.0	1951	
17	40.2	4.8	49.8	9.9	66	18.9	1977		31.3	-0.4	14	-10.0	1979	
18	41.5	5.3	51.7	10.7	66	18.9	1980		31.5	-0.1	12	-11.1	1964	
19	43.3	6.3	53.0	11.7	70	21.1	1978		33.7	.9	9	-12.8	1963	
20	41.2	5.1	49.9	9.9	71	21.7	1967		32.6	.3	12	-11.1	1981	
21	39.3	4.2	48.2	9.7	73	22.8	1967		30.8	-0.7	12	-11.1	1973	
22	41.2	5.1	57.9	10.5	70	21.1	1982		31.6	-0.2	10	-12.2	1960	
23	43.1	6.2	51.2	10.7	77	21.1	1970		35.7	1.7	-4	-20.0	1953	
24	41.3	5.3	50.5	10.3	75	23.9	1955		32.8	.4	-14	-25.6	1963	
25	40.4	4.7	48.6	9.2	71	22.2	1982		32.2	.1	9	-12.8	1963	
26	40.5	4.7	48.5	9.2	69	20.0	1971		32.4	.2	17	-8.3	1970	
27	41.2	5.1	49.3	9.6	68	20.0	1982		33.1	.6	27	-6.7	1977	
28	41.4	5.2	49.8	9.9	65	18.3	1971		32.9	.5	21	-6.1	1977	
29	41.7	5.4	49.5	9.7	66	18.9	1951		34.7	1.1	19	-7.2	1951	
30	41.7	5.4	49.0	9.4	73	22.2	1951		34.4	1.3	14	-17.0	1976	
31	40.4	4.7	47.8	8.8	70	21.1	1951		33.1	.6	5	-10.7	1976	
Monthly	-2.5	5.8	51.7	10.6	80	26.7	1982		33.9	1.1	-14	-25.6	1963	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1979

MEMPHIS, TN

51-62

STATION

STATION NAME

YEARS

WIND SPEED IN MILES PER HOUR

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1									101	92	74	75	
2	76	72	79	91	92	104	106	102	93	88	79	72	100
3	71	77	79	84	95	102	99	100	100	93	79	66	100
4	68	78	80	87	99	106	104	104	104	93	79	67	100
5	69	71	81	83	94	94	98	97	96	89	83	75	98
6	69	75	78	85	90	95	98	102	92	87	82	73	102
7	72	76	76	87	90	95	98	97	91	82	73	66	99
8	63	69	66	83	92	100	96	97	93	86	82	70	100
9	70	77	79	84	97	95	98	98	93	89	75	63	98
10	72	71	77	87	91	96	98	96	100	86	78	65	100
11	66	75	77	83	90	95	93	94	93	86	51	71	98
12	66	80	73	85	94	94	96	97	92	86	75	71	97
13	69	63	82	84	89	96	95	100	94	84	74	51	100
14	70	64	77	92	94	95	97	100	90	82	60	71	100
15	72	74	72	90	90	93	99	95	92	86	82	75	99
16	67	67	82	83	98	99	102	94	91	91	75	71	102
17	73	73	83	86	90	94	93	91	88	88	73	74	98
18	67	63	79	86	89	96	96	97	90	80	70	62	97
19	64	65	78	86	92	100	100	97	91	86	76	60	100
20	73	65	72	86	92	94	99	94	92	65	73	73	99
21	67	74	80	87	86	97	97	91	94	90	91	73	97
22	75	76	79	89	91	96	98	95	94	86	73	70	94
23	67	68	79	80	98	96	95	93	92	90	80	70	94
24	72	69	84	85	92	93	100	92	87	82	82	71	100
25	76	73	77	86	93	95	98	96	100	91	79	72	100
26	70	75	80	85	86	93	99	96	89	80	71	66	99
27	54	75	81	87	98	98	100	97	98	87	77	71	100
28	69	61	82	88	95	100	99	99	94	86	91	73	100
29	63	65	76	83	97	94	97	94	89	96	74	69	97
30	64	74	71	91	92	96	105	102	101	89	78	71	106
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

44 4211, TH.

STATION NAME

51-212

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

39
STATION

MEMPHIS, TN

STATION NAME

51-A7

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

MEMPHIS, TN

51-52

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2	21	29	27	38	47	60	61	62	50	28	23	23	21
3	27	27	34	34	50	63	64		49		29	18	
4	19	24	25	34	40	54	69	66	52	34	24	23	19
5	14	11	18	43	55	55	70	63	53	34	19	16	11
6	19	30	29	38	52	52	63	57	48	41	23	29	19
7	13	29	27	32	44	61	65	62	54	30	28	17	13
8	14	5	30	36	45	57	56	56	50	38	24	12	5
9	6	17	30	35	47	59	58	65	53	38	19	24	6
10	15	23	12	34	44	59	62	45	55	36	25	10	10
11	12	20	31	38	44	58	63	59	47	35	26	16	10
12	2	22	26	34	52	60	62	61	48	36	31	4	2
13	0	7	12	41	40	63	60	57	46	34	26	14	14
14	13	20	25	34	49	55	58	55	45	34	16	12	12
15	7	12	19	44	57	61	59	59	43	33	22	20	7
16	0	20	24	34	41	53	67	59	54	28	25	14	
17	10	15	27	43	46	59	59	55	41	37	26	20	10
18	11	16	22	36	52	59	56	58	51	36	25	18	11
19	14	28	24	42	45	50	67	62	54	38	24	26	14
20	4	12	30	38	47	57	59	63	47	38	16	17	4
21	14	7	23	33	44	63	57	61	54	43	24	26	7
22	4	19	27	34	49	49	57	65	47	31	23	20	4
23	10	15	35	32	47	61	63	60	47	37	26	12	10
24	14	22	23	35	54	59	66	60	47	36	24	21	14
25	12	20	25	33	53	57	59	63	40	35	26	14	12
26	9	20	29	32	36	56	58	54	48	28	18	5	5
27	2	17	30	35	49	55	68	62	56	34	22	16	2
28	11	10	19	36	44	55	66	56	52	36	34	21	10
29	10		29	37	47	57	65	60	48	35	22	14	6
30	14	12	14	36	45	56	69	66	56	33	29	16	12
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

MEMPHIS, TN

51-32

STATION NAME

YEARS

44°C DEGREES FAHRENHEIT

[illegible]

SMOS

EXTREME VALUES

39

MEMPHIS, TENN

51-82

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

4

PSYCHROMETRIC SUMMARY

93319

MEMPHIS, TN

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
74/ 73					.1		.0											4	4						
72/ 71					.0													1	1						
70/ 69				.1	.0													3	3						
68/ 67			.4	.1	.1													14	14	1					
66/ 65		.0	.3	.2	.1	.2		.1										21	21	4					
64/ 63	.0	.1	.2	.2	.1	.1	.1	.0										19	19	13	5				
62/ 61	.1	.8	.2	.1	.1	.1	.1	.1										40	40	23	15				
60/ 59	.2	.6	.4	.2	.0	.2	.1	.0										45	45	36	31				
58/ 57	.1	.4	.5	.2	.2	.2	.1	.0	.0									43	43	29	24				
56/ 55	.2	.4	.3	.2	.3	.3	.1											43	43	35	31				
54/ 53	.2	1.0	.4	.5	.4	.3	.2											77	77	40	31				
52/ 51	.1	.9	.2	.3	.6	.3	.2	.0										66	66	49	40				
50/ 49	.0	.8	.5	.8	.6	.4	.2											82	82	55	49				
48/ 47	.2	1.2	.8	.8	.5	.3	.0											93	93	61	37				
46/ 45	.2	1.7	.6	.7	.9	.2												109	109	84	43				
44/ 43	.5	.9	1.0	.9	.9	.1												106	106	111	69				
42/ 41	.5	1.4	1.2	1.0	.4	.0												114	114	109	53				
40/ 39	.4	1.0	1.4	1.1	.3													105	105	113	76				
38/ 37	.4	2.0	1.6	1.0	.2													130	130	143	95				
36/ 35	.4	2.4	2.3	.9	.5													160	160	129	111				
34/ 33	.7	2.7	2.3	1.0	.1													169	169	175	110				
32/ 31	.7	2.8	2.1	.8	.0													157	157	169	124				
30/ 29	.4	2.1	2.0	.8	.0													133	133	158	138				
28/ 27	.6	2.9	2.2	.2														146	146	154	155				
26/ 25	.9	2.7	2.1	.2														148	148	179	153				
24/ 23	.5	2.4	1.5	.1														112	112	142	151				
22/ 21	.4	2.0	1.6	.1														101	101	128	145				
20/ 19	.4	1.5	.8															67	67	95	133				
18/ 17	.3	1.3	.6															54	54	76	114				
16/ 15	.4	.8	.3															36	36	57	97				
14/ 13	.1	.5	.1															18	18	36	109				
12/ 11	.2	.8																25	25	21	79				
10/ 9		.4	.0															10	10	18	81				
8/ 7		.2																5	5	8	55				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

NAVWEASERVCOM

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JAN

HOUSE 16 8 T

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

97839
STATION

MEMPHIS, TN
STATION NAME

73-82
YEARS

FEB
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
79/ 77												.0											.0						2	2					
76/ 75												.0											.1							4	4				
74/ 73								.0			.0	.1	.0																	8	8				
72/ 71						.1	.1	.0	.1	.0	.1																			12	12				
70/ 69					.1	.3	.0	.0	.1	.0	.0	.0											.0							17	17				
68/ 67				.1	.2	.1	.1	.3	.4	.0	.1																			30	30				
66/ 65		.1	.2	.3	.1	.0	.2	.1	.1	.1																				27	27	1			
64/ 63	.1	.3	.3	.5	.4	.1	.1	.4	.2																					55	55	16	5		
62/ 61	.1	.5	.5	.6	.4	.3	.2	.4																						65	65	29	11		
60/ 59	.1	.4	.4	.4	.2	.1	.3	.3																						51	51	37	18		
58/ 57	.1	.9	.5	.2	.5	.2	.7	.1																						73	73	58	26		
56/ 55	.3	1.0	.3	.4	.3	.8	.4	.1																						81	81	70	38		
54/ 53	.2	.6	.4	.4	.5	.8	.2																							67	67	81	66		
52/ 51	.1	.6	.6	.3	.6	.5	.2																							66	66	88	35		
50/ 49	.1	.8	1.1	1.1	.7	.5	.1																							100	100	65	33		
48/ 47	.2	1.4	.7	1.0	1.1	.7	.0																							117	117	86	45		
46/ 45	.2	1.2	1.0	.7	.7	.4	.0																							96	96	124	62		
44/ 43	.2	1.7	1.4	1.2	.5	.1																								117	117	115	75		
42/ 41	.2	.9	1.5	.9	.8	.1																								99	99	117	85		
40/ 39	.2	1.9	1.8	1.2	.4	.0																								124	124	123	71		
38/ 37	.1	1.5	1.9	1.0	.4																									108	108	138	90		
36/ 35	.1	1.4	2.1	1.0	.1																									108	108	106	117		
34/ 33	.6	2.5	2.3	1.0	.1																									148	148	150	126		
32/ 31	.2	2.7	2.0	.6	.1																									125	125	136	146		
30/ 29	.3	3.3	2.4	.2																										140	140	156	129		
28/ 27	.1	1.7	1.8	.4																										89	89	144	131		
26/ 25	.2	2.8	1.4	.0																										101	101	122	146		
24/ 23	.1	2.3	1.0																											78	78	102	125		
22/ 21	.1	1.8	.5																											55	55	87	143		
20/ 19		1.1	.3																											30	30	55	98		
18/ 17	.2	1.0	.2																											30	30	35	95		
16/ 15	.1	.5	.0																											14	14	28	97		
14/ 13		.5																												12	12	13	68		
12/ 11		.2																												4	4	11	50		
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≥ 0 F						≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

NAVWEASERVCOM

4

FEB
MONTH

HOURS (L.S.T.)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

97839

MEMPHIS, TN

73-82

MAR

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
84/ 83							.0		.0	.1								4	4						
82/ 81							.0	.0	.0			.0	.0					6	6						
80/ 79					.0	.0	.1	.0			.0	.1	.0					9	9						
78/ 77					.1	.2	.2	.1	.0	.2	.1	.0						24	24						
76/ 75			.0	.2	.4	.4	.0	.2	.2	.2	.1							37	37						
74/ 73				.4	.4	.4	.2	.2	.3	.2		.1						51	51						
72/ 71			.2	.5	.6	.3	.3	.2	.3	.1	.1	.1						68	68	4					
70/ 69			.5	.6	.8	.2	.4	.2	.3	.2								76	76	13	1				
68/ 67		.2	.7	1.1	.4	.4	.4	.4	.3	.3	.0							109	109	35	5				
66/ 65		.4	.8	.5	.4	.2	.3	.6	.1	.0								86	86	61	25				
64/ 63	.1	.4	.8	.6	.4	.6	.9	.2	.5									115	115	80	40				
62/ 61	.4	.8	1.0	.9	1.0	.6	.3	.4	.2									146	146	113	69				
60/ 59	.2	.8	.8	.8	.4	.9	.8	.3	.1									124	124	101	91				
58/ 57	.4	1.1	1.0	.8	.6	.8	.6	.4										134	134	130	94				
56/ 55	.3	1.5	.8	1.0	1.0	1.1	.6	.1										160	160	135	104				
54/ 53	.5	.8	.9	1.0	.8	.8	.3	.2										136	136	155	109				
52/ 51	.5	.8	1.1	1.2	1.2	1.0	.2	.0										153	153	144	93				
50/ 49	.3	1.2	1.3	1.4	.8	.5	.1											141	141	144	110				
48/ 47	.0	1.0	1.0	1.2	.9	.6	.0											119	119	160	85				
46/ 45	.1	1.2	1.2	1.2	.5	.4	.0											116	116	181	117				
44/ 43	.1	1.2	1.6	1.2	.4	.2												117	117	148	116				
42/ 41	.1	1.1	1.8	1.5	.5	.1												115	115	144	129				
40/ 39	.2	1.2	2.2	.8	.2													114	114	156	141				
38/ 37	.0	1.2	1.0	.5	.1													72	72	140	141				
36/ 35	.0	.9	1.6	.7														80	80	130	148				
34/ 33	.1	1.0	.7	.3														61	61	89	156				
32/ 31	.0	1.3	.6															49	49	88	152				
30/ 29		.5	.2	.0														19	19	64	135				
28/ 27		.1	.2															7	7	21	128				
26/ 25		.2	.1															9	9	12	86				
24/ 23		.1	.1															4	4	8	64				
22/ 21		.1	.0															4	4	4	44				
20/ 19		.3																7	7	6	37				
18/ 17	.1	.2																7	7	9	26				
Element (X)	ΣX²		ΣX		X		σx		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 60 F		≤ 62 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

MEMPHIS, TN

STATION NAME

73-92

YEARS

MAZ

MONTH

PAGE 2

HOURS (L & T)

NAVWEASERVCOM

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97839
STATION

MEMPHIS, TN

73-82

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PAGE 2

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NAVWEASERVCOM

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93339
STATION

MEMPHIS, TN

STATION NAME

73-22

YEARS

MAY
MORT

PAGE 1

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NAVWEASERVCOM

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PAGE 2
HOURS 11 5

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839
STATION

MEMPHIS, TN
STATION NAME

73-82
YEARS

JUN
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
100/ 99											.0	.0	.0					3	3																	
98/ 97											.1	.1	.1		.0			6	6																	
96/ 95									.1	.2	.1	.1	.2	.0	.0			20	20																	
94/ 93								.0	.0	.4	.4	.5	.2	.1				40	40																	
92/ 91						.0	.1	1.0	.9	.6	.3	.2	.1					77	77																	
90/ 89					.2	.7	1.2	1.0	.9	.5	.3	.2						121	121																	
88/ 87				.1	.6	1.6	.9	.7	.5	.5	.2	.1						126	126																	
86/ 85				.1	.7	1.7	1.2	1.1	.5	.6	.6	.2	.0					160	160																	
84/ 83			.0	.2	1.7	2.0	.9	.8	.7	.5	.4	.2	.0					173	173	2																
82/ 81			.2	1.1	2.0	.9	1.2	.7	1.0	.2	.3							183	183	6																
80/ 79		.1	.7	1.9	1.9	1.2	.7	.4	.6	.2	.1							188	188	25	4															
78/ 77		.2	1.3	1.7	2.0	.9	.8	.5	.4	.0								202	202	129	12															
76/ 75		1.0	2.9	2.4	1.4	.8	.5	.7	.2	.1								235	235	258	31															
74/ 73	.1	1.3	2.4	1.9	1.0	.5	.5	.2		.1								192	192	344	169															
72/ 71	.1	2.1	3.0	1.5	.8	.4	.2	.0										198	198	329	275															
70/ 69	.2	1.2	2.4	1.0	.7	.4	.3	.1										145	145	303	347															
68/ 67	.2	1.0	2.2	.8	.6	.2	.2	.0										127	127	286	289															
66/ 65	.2	1.0	1.5	.6	.3	.0												88	88	244	247															
64/ 63		.8	.7	.7	.1	.0	.0											56	56	182	220															
62/ 61		.4	.3	.4	.1													29	29	137	201															
60/ 59		.2	.6	.2														25	25	69	153															
58/ 57		.2	.0			.0												6	6	46	128															
56/ 55																				34	104															
54/ 53																				2	95															
52/ 51																				3	62															
50/ 49																					24															
48/ 47																				1	17															
46/ 45																					5															
44/ 43																					7															
42/ 41																					4															
40/ 39																					1															
38/ 37																					1															
TOTAL	.9	9.5	18.9	14.6	13.1	10.0	8.5	8.0	6.5	4.2	3.4	1.7	.8	.0	.0			2400	2400	2400	2400															
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.	11421619			160219			66.8			17.392			2400			±0 F			±32 F			±67 F			±73 F			±80 F			±93 F			Total		
Dry Bulb	14677537			186659			77.8			8.172			2400									654.8			517.8			301.2			20.7			720.0		
Wet Bulb	11578751			166195			69.2			5.405			2400									504.6			229.2			5.1						720.7		
Dew Point	10155001			155293			64.7			6.669			2400									338.1			103.8			1.2						720.0		

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PSYCHROMETRIC SUMMARY

93839
STATION

MEMPHIS, TN
STATION NAME

73-82
YEARS

JUL
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
106/105														.0	.0		.0		2	2					
104/103													.0	.0				2	2						
102/101												.3	.0	.1				11	11						
100/99										.2	.4	.2	.1					21	21						
98/97								.0	.1	.5	.6	.2	.1					40	40						
96/95								.3	.6	.8	.6	.2	.1					62	62						
94/93							.1	.9	1.9	.8	.2	.2		.0				103	103						
92/91						.5	1.2	2.2	1.5	.5	.2	.0						152	152						
90/89					.0	1.2	2.2	1.6	.8	.3	.2							159	159						
88/87					.5	2.2	2.6	1.0	.7	.2	.2							183	183						
86/85				.2	1.9	3.1	1.0	.8	.3	.2	.0							188	188						
84/83			.4	1.4	2.3	1.5	.9	.4	.3	.1	.0							184	184						
82/81		.0	1.3	1.9	2.2	1.0	.6	.1	.2	.1								177	177	43					
80/79		.3	2.5	3.3	1.2	.8	.4	.2	.1									216	216	217	11				
78/77	.1	1.6	4.3	2.8	1.2	.4	.2	.1										261	261	410	63				
76/75	.4	3.5	4.4	2.7	.6	.1	.2											294	294	459	249				
74/73	.2	2.7	3.1	1.6	.3	.0	.0											199	199	527	457				
72/71	.1	1.5	1.6	1.1	.1	.0												111	111	334	544				
70/69	.1	.6	.6	.6	.1													52	52	212	433				
68/67		.2	.5	.1	.2													26	26	135	262				
66/65		.2	.4	.0														18	18	71	170				
64/63		.2		.1														9	9	35	110				
62/61		.2	.1	.0														7	7	19	89				
60/59		.1	.0															3	3	9	29				
58/57																				4	33				
56/55																				2	22				
54/53																					7				
52/51																					1				
TOTAL	.8	11.4	19.1	15.9	10.6	10.8	9.4	7.6	5.5	3.7	2.5	1.1	.4	.2	.0			2480	2480	2480	2480				
																	</								

NAVWEASERVCOM

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PSYCHROMETRIC SUMMARY

93839
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MEMPHIS, IN

STATION NAME

73-82

YEARS

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MONTH

PAGE 1

HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

93839
STATIONMEMPHIS, TN
STATION NAME73-82
YEARSSEP
MONTHPAGE 1
HOURS (L S Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
100/ 99														.0	.0							2	2		
98/ 97														.0	.0							5	5		
96/ 95												.1	.2	.1	.0							11	11		
94/ 93										.1	.1	.3	.3	.0		.0						22	22		
92/ 91							.0	.1	.1	.4	.2	.1										24	24		
90/ 89							.2	.2	.5	.2	.2			.0								39	39		
88/ 87							.3	1.2	.8	.4	.2		.0	.0								69	69		
86/ 85				.0	.2	1.2	1.1	.3	.5	.2	.1	.0										87	87		
84/ 83			.2	.4	1.0	1.0	.6	.6	.2	.3	.0	.1	.0									104	104		
82/ 81		.0	.2	.7	.7	.9	1.1	.5	.4	.2												114	114	1	
80/ 79		.0	.7	1.3	1.3	1.1	.5	.7	.2	.2	.1		.0									138	138	18	
78/ 77	.2	.2	1.5	1.4	1.5	.5	.8	.5	.1	.1	.0											164	164	64	12
76/ 75	.7	.8	2.1	1.6	.8	.6	.5	.4	.2	.1	.0											188	188	189	57
74/ 73	.2	2.0	3.2	1.7	.4	.6	.5	.2	.1													214	214	230	97
72/ 71	.2	2.2	2.6	1.5	.7	.8	.4	.2	.1													213	213	253	198
70/ 69	.7	2.0	2.3	1.2	.8	.6	.5	.3	.1													204	204	301	274
68/ 67	.4	1.5	1.6	1.5	.4	.4	.3	.2	.0													149	149	213	274
66/ 65	.3	1.2	1.2	1.1	.7	.2	.2	.1														123	123	188	233
64/ 63	.2	1.1	1.1	1.1	.5	.3	.1															107	107	161	150
62/ 61	.1	1.7	1.0	.9	.9	.1	.1															114	114	163	142
60/ 59	.1	1.2	1.4	.5	.5	.1																91	91	144	159
58/ 57	.0	1.2	.9	.7	.2	.2																74	74	120	151
56/ 55		.9	.5	.6	.1																	48	48	120	138
54/ 53	.3	.5	.6	.1																		31	31	79	123
52/ 51	.0	.4	.2	.2																		20	20	60	94
50/ 49		.4	.4																			19	19	44	70
48/ 47		.2	.2																			10	10	15	73
46/ 45		.2	.1																			8	8	17	57
44/ 43			.2																			5	5	10	34
42/ 41			.1																			2	2	3	33
40/ 39			.0																			1	1	4	13
38/ 37																								2	6
36/ 35																								1	4
34/ 33																									4
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

93239
STATION

MEMPHIS, TN

73-82

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PAGE 2
HOMER (1)

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PSYCHROMETRIC SUMMARY

93839
STATION

MEMPHIS, TN
STATION NAME

73-82
YEARS

OCT
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
97 / 89									.0	.1	.0	.0						5	5						
88 / 87								.0	.1	.0	.2	.1						12	12						
86 / 85						.1	.2	.1	.3	.1	.1	.0						24	24						
84 / 83				.0	.0	.1	.2	.1	.3	.2	.1	.0						32	32						
82 / 81				.0	.1	.0	.1	.3	.2	.2	.1							29	29						
80 / 79			.1	.0	.1	.3	.3	.4	.2	.3	.2	.0						47	47						
78 / 77			.1	.2	.5	.2	.4	.6	.3	.3	.2							73	73	3					
76 / 75		.1	.4	.3	.4	.4	.7	.5	.4	.2	.2							88	88	6	1				
74 / 73		.3	.4	.4	.7	.5	.5	.4	.3	.3	.1	.0						98	98	21	6				
72 / 71		.4	.4	.6	1.0	.4	.4	.3	.4	.3	.1							113	113	43	16				
70 / 69	.1	.3	1.2	.7	1.2	.6	.2	.6	.5	.3								139	139	71	37				
68 / 67	.1	.4	1.5	.8	.5	.5	.3	.4	.4	.1								171	131	101	37				
66 / 65	.2	.6	1.3	1.5	.9	.6	.6	.8	.4	.0								172	172	121	64				
64 / 63	.2	.8	1.5	1.0	.9	.6	1.0	.7	.2									173	173	172	88				
62 / 61	.1	1.3	1.2	1.1	.9	.6	.7	.4	.1	.0								159	159	165	112				
60 / 59	.1	1.1	1.3	.8	.8	1.0	.8	.2										155	155	168	139				
58 / 57	.1	1.0	1.2	1.0	.7	.6	.5	.1										129	129	156	147				
56 / 55	.2	1.2	1.3	1.0	1.3	.5	.2	.0										150	150	172	154				
54 / 53	.1	1.1	1.3	1.1	.9	.1		.0										119	119	184	147				
52 / 51	.2	.9	1.6	1.0	.8	.3	.0											121	121	172	137				
50 / 49	.2	.8	1.9	1.3	.4	.1	.0											113	113	173	131				
48 / 47	.2	1.0	1.7	1.1	.2	.0												103	103	178	137				
46 / 45	.3	.9	1.7	.4	.1	.0												80	80	155	128				
44 / 43	.1	1.1	1.3	.2	.0													66	66	120	144				
42 / 41	.2	.7	.9	.2	.0													50	50	105	142				
40 / 39	.1	.5	.6	.1														35	35	73	187				
38 / 37	.2	.9	.4	.0														36	36	50	163				
36 / 35		.5	.1															16	16	36	130				
34 / 33		.0	.2															5	5	19	103				
32 / 31		.2																4	4	8	63				
30 / 29		.0																1	1	5	22				
28 / 27		.0																1	1	2	17				
26 / 25																					14				
24 / 23																					9				
Element (X)	Σ _H			Σ _X			Σ	Σ _N	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

PAGE 2
HOURS (L S)

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PSYCHROMETRIC SUMMARY

23839 MEMPHIS, TN 73-82 NOV

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
82/ 81							.0											1	1						
80/ 79					.0	.0	.0		.1	.2	.0							10	10						
79/ 77						.1	.1	.0	.1	.1								9	9						
78/ 75			.0	.1	.1	.2		.1	.1	.0								16	16						
74/ 73			.0	.1	.2	.2	.1	.2	.1	.2	.0			.0				31	31						
72/ 71			.5	.5	.4	.2	.2	.0	.2	.0	.0							50	50	2					
70/ 69	.0	.1	.5	.9	.3	.2	.2	.1	.1	.2	.0	.0						69	69	13	2				
68/ 67		.5	1.0	.7	.3	.5	.2	.3	.3	.2								96	96	26	12				
66/ 65	.0	1.0	1.2	.6	.3	.4	.4	.1	.2	.1								107	107	53	26				
64/ 63	.0	2.0	1.1	.5	.5	.3	.2	.5	.2	.1								134	134	97	46				
62/ 61	.1	1.5	.7	.3	.9	.5	.3	.2	.2	.0								119	119	129	93				
62/ 59	.4	1.5	.2	.6	.4	.3	.3	.5	.0									104	104	106	115				
58/ 57	.0	.7	.7	.6	.8	.9	.5	.2										108	108	91	80				
56/ 55	.2	1.2	.4	.8	1.0	.9	.6	.1										124	124	88	76				
54/ 53	.2	1.0	.7	.9	.8	.6	.5	.1	.0									115	115	102	56				
52/ 51	.3	1.4	1.1	1.0	.9	.6	.3											134	134	106	69				
50/ 49	.0	1.2	1.4	1.3	1.0	.5	.2	.0										139	139	136	100				
48/ 47	.1	1.3	1.4	1.6	.8	.2	.0											131	131	151	79				
46/ 45		1.3	2.0	1.0	.6	.3												123	123	164	95				
44/ 43	.1	1.7	2.0	1.3	.9	.3												151	151	167	93				
42/ 41	.1	1.3	1.9	1.2	.6													125	125	171	120				
40/ 39	.3	1.2	1.2	.7	.5													92	92	150	154				
38/ 37	.0	1.5	2.0	.9	.2													110	110	130	149				
36/ 35	.0	1.4	1.4	.6														62	62	131	149				
34/ 33		1.5	1.0	.3														67	67	119	140				
32/ 31	.1	1.1	.8	.2														53	53	95	137				
30/ 29	.1	1.0	.5	.1														41	41	63	141				
28/ 27	.1	.7	.2	.0														25	25	46	120				
26/ 25		.3	.1															10	10	28	98				
24/ 23		.3	.2															12	12	12	79				
22/ 21		.2	.2															9	9	10	62				
20/ 19		.1																2	2	9	33				
18/ 17			.0															1	1	4	30				
16/ 15																				1	21				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

93839	MEMPHIS, TN	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93839
STATION

MEMPHIS, TN
STATION NAME

73-82
YEARS

DEC
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point		
80/ 79						.0												1	1			
78/ 77						.0												2	2			
76/ 75				.0	.1													4	4			
74/ 73				.1														3	3			
72/ 71			.2	.2		.1												11	11	1		
70/ 69		.0	.2	.2	.1	.0	.0	.0										17	17	7		
68/ 67		.0	.2	.4	.1	.1	.0	.1										25	25	14		
66/ 65		.0	.4	.5	.2	.0	.2		.1		.0							48	48	9		
64/ 63		.0	.4	.4	.2	.3	.1		.1									45	45	26		
62/ 61	.0	.6	.3	.4	.2	.2	.0	.2										47	47	42		
60/ 59	.1	.6	.3	.3	.3	.4	.1	.0	.1									55	55	41		
58/ 57	.3	.7	.4	.2	.6	.3	.3	.1										72	72	48		
56/ 55	.0	.8	.6	.7	.4	.5	.3	.0	.0									86	86	43		
54/ 53	.1	.5	.5	.8	.4	.8	.2	.1										83	83	55		
52/ 51		1.1	1.1	.7	.8	.5	.1	.0										111	111	47		
50/ 49	.1	.9	.9	.9	.8	.8	.2											112	112	102		
48/ 47	.1	1.7	.8	1.5	1.3	.6												147	147	95		
46/ 45	.0	1.5	1.1	1.7	1.5	.2	.1											149	149	124		
44/ 43	.2	1.7	1.9	1.4	.6	.3	.0											151	151	138		
42/ 41	.2	1.9	2.7	1.7	.8	.1												185	185	166		
40/ 39	.3	1.9	2.6	1.4	.7	.0												172	172	209		
38/ 37	.2	2.2	2.7	1.4	.4													170	170	198		
36/ 35	.3	2.4	2.4	1.2	.4													166	166	176		
34/ 33	.2	1.6	2.6	.5	.2													127	127	196		
32/ 31	.2	2.6	1.8	.4	.0													125	125	178		
30/ 29	.2	1.9	1.3	.2														87	87	149		
28/ 27	.1	1.6	1.3	.2														80	80	109		
26/ 25	.1	1.6	.8	.1														64	64	93		
24/ 23	.0	1.1	.4															37	37	64		
22/ 21	.0	.7	.6															33	33	47		
20/ 19	.0	.7	.2															23	23	34		
18/ 17	.0	.4	.1															14	14	24		
16/ 15	.0	.4	.1															13	13	21		
14/ 13	.0	.2																5	5	11		
Element (X)	ΣX^1			ΣX			\bar{X}			σ_X			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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PSYCHROMETRIC SUMMARY

MONTH

HOURS (L S Y)

NAVWEASERVCOM

U.S. 2001 54321

STATION NAME

YEARS

ALL
MONT

PAGE 2

[illegible]

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

97319 MEMPHIS, TN

73-52

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0	MEAN S. D. TOTAL OBS	34.4 12.472 310	38.2 12.266 282	49.8 11.216 310	57.7 9.225 300	65.4 6.951 310	72.6 5.599 300	76.7 4.486 310	74.0 4.572 310	67.5 7.923 300	55.6 9.690 310	48.0 11.665 300	40.5 11.546 309	56.9 16.905 3651	
07	MEAN S. D. TOTAL OBS	33.1 12.316 310	36.7 12.310 282	48.1 11.278 310	55.1 9.389 300	63.2 7.053 310	70.4 5.677 300	74.6 4.319 310	71.9 4.724 310	65.7 7.999 300	53.7 9.879 310	46.4 11.875 300	39.1 11.626 309	54.9 16.710 3651	
0	MEAN S. D. TOTAL OBS	32.2 12.415 310	35.7 12.253 282	46.5 11.365 310	53.7 9.398 300	61.7 6.963 310	70.8 5.250 300	74.7 4.028 310	71.3 4.518 310	64.5 8.222 300	52.2 10.008 309	45.2 11.748 300	37.9 11.700 310	54.1 17.029 3651	
07	MEAN S. D. TOTAL OBS	34.7 12.378 310	39.5 12.506 282	52.0 11.072 310	61.8 8.973 300	71.0 7.676 310	79.2 5.902 300	83.4 4.951 310	80.5 4.751 310	73.3 7.481 300	61.7 8.452 310	50.8 10.338 300	41.2 10.879 310	60.8 18.703 3652	
1	MEAN S. D. TOTAL OBS	39.5 13.093 310	45.2 13.439 282	57.3 11.759 310	67.3 9.902 300	76.2 8.475 310	84.1 6.374 300	89.7 5.713 310	84.1 5.543 310	79.4 8.279 300	69.4 9.547 310	57.2 11.319 300	47.0 11.002 310	66.5 19.038 3652	
17	MEAN S. D. TOTAL OBS	41.6 13.462 310	47.8 13.933 282	60.0 12.111 310	69.6 10.040 300	77.5 8.640 310	85.5 6.459 300	89.8 6.123 310	87.2 6.062 310	80.8 8.362 300	71.3 9.537 310	59.0 11.490 300	48.9 11.277 310	68.3 18.826 3652	
17	MEAN S. D. TOTAL OBS	38.4 12.598 310	44.7 13.064 282	57.3 11.653 310	67.0 9.504 300	75.2 7.933 310	83.3 5.993 300	86.9 5.874 310	83.7 5.485 310	75.8 8.034 300	64.4 8.926 310	53.3 10.895 300	44.6 10.816 309	64.6 18.725 3651	
1	MEAN S. D. TOTAL OBS	35.6 12.351 310	40.5 12.242 282	52.5 11.062 310	61.0 9.144 300	68.7 6.940 310	76.4 5.344 300	80.1 5.163 310	76.9 5.044 310	69.7 7.665 300	58.1 9.188 310	49.6 11.259 300	41.8 11.133 307	59.4 17.345 3649	
ALL HOURS	MEAN S. D. TOTAL OBS	36.2 12.996 2420	41.0 13.343 2256	52.9 12.295 2480	61.6 10.945 2400	70.0 9.374 2480	77.8 8.172 2400	81.9 7.761 2480	79.0 7.815 2480	72.1 9.875 2400	60.8 11.534 2479	51.2 12.236 2400	42.6 11.811 2474	60.7 18.676 29209	

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

NET-DULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03839 MEMPHIS, TN

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN S. D. TOTAL OBS	31.9 12.000 310	35.1 11.246 282	45.6 10.436 310	52.4 8.489 300	60.8 6.818 310	67.5 5.172 300	71.9 3.778 310	69.9 4.323 310	63.8 7.829 300	51.7 9.263 310	44.4 11.264 300	37.1 10.895 309	52.4 16.122 3651	
01	MEAN S. D. TOTAL OBS	31.0 11.939 310	34.0 11.520 282	44.4 10.614 310	50.9 8.955 300	59.4 7.091 310	66.4 5.428 300	70.9 4.032 310	68.7 4.575 310	62.5 8.019 300	50.4 9.522 310	43.3 11.521 300	36.2 11.099 309	51.6 16.169 3651	
02	MEAN S. D. TOTAL OBS	30.2 12.173 310	33.3 11.629 282	43.3 10.947 310	50.1 9.139 300	59.6 7.060 310	67.0 5.242 300	71.4 3.840 310	68.5 4.456 310	61.7 8.310 300	49.3 9.717 309	42.3 11.409 300	35.4 11.314 310	51.1 16.604 3651	
03	MEAN S. D. TOTAL OBS	32.2 12.171 310	36.1 11.676 282	46.7 10.479 310	54.6 8.569 300	63.5 6.967 310	70.4 5.230 300	75.1 3.538 310	73.2 3.756 310	66.8 7.072 300	55.3 8.551 310	46.2 10.115 300	37.9 10.608 310	54.9 16.425 3652	
04	MEAN S. D. TOTAL OBS	35.3 12.152 310	39.6 11.736 282	49.4 10.093 310	56.8 8.242 300	65.2 6.888 310	71.4 5.020 300	76.2 3.609 310	74.6 3.663 310	68.6 6.878 300	58.1 8.346 310	49.4 10.158 300	41.4 10.379 310	57.3 16.073 3652	
05	MEAN S. D. TOTAL OBS	36.5 11.999 310	41.0 11.384 282	50.7 9.948 310	57.8 7.891 300	65.4 6.537 310	71.4 4.793 300	75.8 3.274 310	74.5 3.560 310	68.8 6.578 300	58.5 8.011 310	50.1 10.031 300	42.3 10.155 310	57.8 15.499 3652	
06	MEAN S. D. TOTAL OBS	34.5 11.659 310	39.2 11.245 282	49.5 10.018 310	56.8 7.788 300	64.5 6.532 310	70.9 4.706 300	75.1 3.462 310	73.4 3.631 310	67.5 6.928 300	56.0 8.336 310	47.3 10.460 300	40.0 10.423 309	56.3 15.957 3651	
07	MEAN S. D. TOTAL OBS	32.9 11.692 310	36.8 11.164 282	47.3 10.055 310	54.3 8.177 300	62.7 6.571 310	69.0 4.804 300	73.3 3.589 310	71.3 4.169 310	65.1 7.360 300	53.2 8.846 310	45.7 10.895 300	38.1 10.598 307	54.2 16.058 3649	
ALL HOURS	MEAN S. D. TOTAL OBS	33.1 12.133 2480	36.9 11.728 2256	47.1 10.601 2480	54.2 8.824 2400	62.6 7.174 2480	69.2 5.405 2400	73.7 4.142 2480	71.8 4.657 2480	65.6 7.817 2400	54.1 9.407 2479	46.0 11.043 2400	38.6 10.918 2478	54.5 16.342 29209	

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION MEMPHIS, TN

73-82

STATION		STATION NAME												YEARS													
HRS.(L.S.T.)		JAN.		FEB.		MAR.		APR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL	
00	MEAN	27.1		30.1		41.0		47.6		57.6		64.7		69.6		67.7		61.5		48.2		40.0		32.1		49.0	
	S. D.	13.911		12.453		11.774		9.927		8.114		6.067		4.255		5.033		8.740		10.300		12.833		12.352		17.650	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		309		3651	
07	MEAN	26.4		29.4		40.2		47.0		56.7		64.1		69.1		67.0		60.5		47.3		39.5		31.7		48.3	
	S. D.	13.777		12.803		11.925		10.243		8.158		6.150		4.471		5.076		8.838		10.404		12.935		12.423		17.691	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		309		3651	
04	MEAN	25.4		29.0		39.3		46.7		57.2		64.8		69.7		67.1		59.9		46.7		38.7		31.4		48.1	
	S. D.	14.083		12.911		12.275		10.341		8.017		6.017		4.297		4.868		9.088		10.537		12.684		12.686		18.054	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		309		300		310		3651	
07	MEAN	27.4		30.8		40.7		48.0		58.6		65.8		71.5		69.8		63.0		49.9		40.9		33.0		50.0	
	S. D.	14.470		13.239		12.619		11.040		8.739		6.867		4.191		4.492		8.563		10.665		12.181		12.465		18.252	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
10	MEAN	28.2		31.6		40.9		47.9		58.1		64.9		70.9		69.4		62.6		48.9		41.0		33.6		49.9	
	S. D.	14.682		13.597		12.665		11.381		9.547		7.194		4.610		4.881		8.963		11.278		13.267		13.096		18.103	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
15	MEAN	28.4		31.7		41.2		48.0		57.6		64.1		69.6		64.6		62.0		48.2		40.5		33.3		49.5	
	S. D.	14.344		13.290		12.747		11.217		9.399		7.351		4.535		4.954		8.712		11.196		13.565		13.144		17.778	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		310		3652	
17	MEAN	27.9		31.5		41.3		48.2		57.5		64.3		69.8		68.5		62.8		49.0		40.4		33.3		49.6	
	S. D.	13.860		12.854		12.519		10.607		9.371		7.201		4.828		4.847		8.414		10.444		13.081		12.919		17.711	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		309		3651	
21	MEAN	27.5		31.3		41.7		48.5		54.7		65.1		70.2		64.5		62.3		48.9		40.2		32.7		49.7	
	S. D.	13.534		12.412		11.731		9.832		8.034		6.234		4.187		4.866		8.368		10.064		12.736		12.387		17.611	
	TOTAL OBS	310		282		310		300		310		300		310		310		300		310		300		307		3649	
ALL HOURS	MEAN	27.3		30.7		40.8		47.8		57.8		64.7		70.0		68.3		61.8		48.4		40.2		32.6		49.3	
	S. D.	14.093		12.967		12.290		10.588		8.706		6.669		4.480		4.965		8.764		10.648		12.916		12.694		17.869	
	TOTAL OBS	2480		2256		2480		2400		2480		2400		2480		2480		2400		2479		2400		2474		29209	

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

1939 MEMPHIS, TN

73-92

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	99.4	94.2	82.3	65.8	47.3	17.7	75.8	310
	01	100.0	100.0	100.0	99.4	95.8	87.1	67.7	46.5	21.6	77.3	310
	02	100.0	100.0	100.0	99.7	97.4	87.7	70.3	47.4	21.0	78.2	310
	03	100.0	100.0	100.0	99.7	94.5	81.3	63.2	41.3	20.3	75.7	310
	04	100.0	100.0	100.0	93.2	78.4	54.2	40.0	24.8	11.3	65.9	310
	05	100.0	100.0	98.1	85.5	69.0	47.1	31.6	20.3	8.4	61.8	310
	06	100.0	100.0	99.7	97.4	83.9	62.3	41.6	24.2	10.3	67.4	310
	07	100.0	100.0	100.0	99.0	90.0	78.1	58.4	32.9	16.8	73.0	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	100.0	99.7	96.7	87.9	72.5	54.6	35.0	15.9	71.9	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

93839 MEMPHIS, TN

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	100.0	99.3	92.2	82.3	61.7	36.5	12.4	74.0	292
	03	100.0	100.0	100.0	99.6	95.7	87.6	65.6	40.8	15.2	76.0	292
	06	100.0	100.0	100.0	100.0	99.3	88.7	70.9	45.0	12.4	77.6	292
	09	100.0	100.0	100.0	99.3	92.9	76.2	51.1	30.9	11.3	72.2	282
	12	100.0	100.0	98.6	85.1	66.0	50.0	32.6	18.8	5.7	61.4	282
	15	100.0	100.0	92.9	75.9	55.7	44.3	26.6	13.8	5.3	57.1	282
	18	100.0	100.0	98.9	88.3	71.0	49.6	33.7	16.1	7.4	62.3	282
	21	100.0	100.0	100.0	97.9	91.8	75.9	51.4	30.9	9.9	71.3	282
TOTALS		100.0	100.0	98.0	93.2	83.1	69.3	49.2	29.4	17.0	69.0	2256

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

71939

MEMPHIS, TN

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00	100.0	100.0	100.0	99.0	93.5	78.1	58.4	35.8	11.3	73.2	310
	01	100.0	100.0	99.7	99.4	96.5	82.3	64.5	39.4	11.6	75.2	310
	02	100.0	100.0	100.0	99.4	96.8	87.1	71.3	48.4	12.3	77.1	310
	03	100.0	100.0	100.0	94.5	81.0	66.5	44.2	23.2	9.4	67.5	310
	04	100.0	99.7	94.2	77.4	57.1	44.2	26.5	15.2	5.8	57.5	310
	05	100.0	98.7	88.4	67.4	51.3	35.5	22.3	12.6	4.5	53.7	310
	06	100.0	99.7	95.2	78.4	59.7	44.5	28.1	16.1	5.5	58.2	310
	07	100.0	100.0	99.0	96.8	85.5	66.5	45.2	26.1	7.7	68.6	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	TOTALS	100.0	99.8	97.1	89.0	77.7	63.1	45.1	27.1	8.4	66.4	2490

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

73839

MEMPHIS, TN

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	10	100.0	100.0	100.0	97.3	90.0	76.0	50.0	27.0	10.7	70.9	300
	11	100.0	100.0	100.0	99.0	95.7	84.3	65.7	38.0	13.0	75.5	300
	12	100.0	100.0	100.0	100.0	98.0	87.3	74.0	46.7	17.0	78.3	300
	13	100.0	100.0	100.0	94.0	70.7	50.0	32.7	19.0	6.3	62.7	300
	14	100.0	99.7	91.0	67.7	47.3	33.0	20.7	13.3	3.7	53.2	300
	15	100.0	99.0	83.7	57.0	40.3	28.3	19.3	10.0	4.3	49.9	300
	16	100.0	100.0	93.3	71.3	48.7	32.0	22.7	13.3	6.3	54.2	300
	17	100.0	100.0	99.3	95.0	43.7	59.3	36.3	21.0	6.0	65.4	300
TOTALS		100.0	99.8	95.9	85.2	71.8	56.3	40.2	23.5	8.4	63.8	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

35239 MEMPHIS, TN

73-82

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	10	100.0	100.0	100.0	99.7	96.5	87.4	72.6	44.5	10.0	76.9	310
	07	100.0	100.0	100.0	100.0	99.4	94.2	79.7	57.4	11.3	79.9	310
	05	100.0	100.0	100.0	100.0	99.7	96.8	85.2	65.2	15.8	82.2	310
	09	100.0	100.0	100.0	97.1	85.2	64.2	39.0	19.0	5.2	66.5	310
	12	100.0	100.0	94.8	79.0	58.7	36.8	22.6	11.0	3.2	56.3	310
	15	100.0	99.7	90.3	71.3	53.5	33.2	19.0	11.0	1.6	53.2	310
	18	100.0	100.0	93.9	77.4	61.0	40.6	25.4	14.2	1.9	57.0	310
	21	100.0	100.0	100.0	99.4	93.2	78.1	54.5	28.7	5.5	71.8	310
TOTALS		100.0	100.0	97.4	90.5	80.9	66.4	49.8	31.4	6.8	68.0	2480

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION 39 MEMPHIS, TN

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	98.3	93.3	73.0	42.0	7.7	76.9	300
	03	100.0	100.0	100.0	100.0	99.3	97.0	86.7	59.3	11.7	81.0	300
	06	100.0	100.0	100.0	100.0	99.3	98.0	87.7	63.0	14.0	81.9	300
	09	100.0	100.0	100.0	97.7	85.7	59.3	35.0	15.3	1.7	65.0	300
	12	100.0	100.0	98.0	91.3	55.0	33.0	13.3	5.0	1.3	54.3	300
	15	100.0	100.0	94.3	70.3	46.7	25.3	11.3	5.7	2.0	51.0	300
	18	100.0	100.0	96.3	82.7	56.0	32.3	15.7	7.0	2.0	54.8	300
	21	100.0	100.0	100.0	99.0	92.0	75.3	48.0	21.3	3.7	69.2	300
TOTALS		100.0	100.0	98.6	91.4	79.0	64.2	46.3	27.3	5.5	66.8	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

97639 MEMPHIS, TN

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	97.1	84.2	48.4	9.0	79.2	310
	03	100.0	100.0	100.0	100.0	100.0	98.7	93.5	68.4	17.7	83.5	310
	06	100.0	100.0	100.0	100.0	100.0	99.7	95.5	72.6	24.2	84.9	310
	09	100.0	100.0	100.0	100.0	98.7	75.8	31.3	12.6	3.9	68.1	310
	12	100.0	100.0	99.7	94.8	67.4	31.9	11.0	4.5	1.3	56.9	310
	15	100.0	100.0	99.3	83.9	50.6	26.1	11.9	3.2		53.0	310
	18	100.0	100.0	100.0	90.6	70.6	41.3	18.1	6.5	1.6	58.5	310
	21	100.0	100.0	100.0	100.0	97.4	85.8	57.7	28.4	4.2	72.9	310
TOTALS		100.0	100.0	99.8	96.2	85.6	69.6	50.4	30.6	7.9	69.6	2480

OCEANAV-SMOS

RELATIVE HUMIDITY

73-22

AUG

STATION

STATION NAME

PERIOD

NORTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	100.0	96.6	85.2	57.1	17.7	81.4	310
	03	100.0	100.0	100.0	100.0	100.0	99.7	95.5	67.4	22.6	84.8	310
	06	100.0	100.0	100.0	100.0	100.0	100.0	98.1	77.1	28.7	86.8	310
	09	100.0	100.0	100.0	100.0	98.4	85.8	47.4	18.4	5.8	70.8	310
	12	100.0	100.0	99.7	95.8	74.5	36.1	16.1	6.8	3.2	58.8	310
	15	100.0	100.0	98.7	90.3	60.6	29.0	12.9	6.8	2.3	55.6	310
	18	100.0	100.0	99.0	97.4	82.3	46.1	21.6	10.3	3.5	61.7	310
	21	100.0	100.0	100.0	99.7	98.7	92.9	73.5	32.3	8.1	76.0	310
TOTALS		100.0	100.0	99.7	97.9	89.3	73.3	56.3	34.5	11.4	72.0	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

27-39

MEMPHIS, TN

73-87

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	99.0	96.7	85.3	60.3	18.7	81.8	300
	03	100.0	100.0	100.0	100.0	99.7	99.0	89.7	66.7	19.7	83.7	300
	06	100.0	100.0	100.0	100.0	99.7	99.3	94.0	72.0	29.0	85.6	300
	09	100.0	100.0	100.0	99.3	94.7	76.0	49.3	27.3	8.3	71.3	300
	12	100.0	99.7	98.0	90.0	68.0	40.0	22.0	9.3	4.0	58.6	300
	15	100.0	99.7	97.0	81.3	57.7	30.7	17.0	8.7	3.3	55.0	300
	18	100.0	100.0	99.7	97.3	84.0	62.7	34.3	15.3	3.3	65.5	300
	21	100.0	100.0	100.0	99.7	98.3	93.0	78.0	47.0	13.3	78.3	300
TOTALS		100.0	99.9	99.3	96.0	97.6	74.7	58.7	38.3	12.5	72.5	2400

OCEANAV-8MOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

27539 MEMPHIS, TN

73-82

007

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00	100.0	100.0	100.0	100.0	98.1	90.3	73.5	40.6	10.6	76.9	310
	01	100.0	100.0	100.0	100.0	99.0	92.9	81.3	51.9	13.9	79.7	310
	02	100.0	100.0	100.0	100.0	99.7	97.7	86.1	59.9	16.5	82.0	309
	03	100.0	100.0	100.0	98.7	89.4	61.0	34.4	17.1	5.2	66.4	310
	12	100.0	100.0	95.4	65.9	39.7	25.2	12.9	4.4	2.6	50.5	310
	15	100.0	100.0	87.4	51.0	31.0	19.4	11.3	5.6	1.3	46.2	310
	18	100.0	100.0	99.7	94.5	70.7	37.1	19.0	10.6	2.6	59.0	310
	21	100.0	100.0	100.0	100.0	95.5	83.5	59.0	22.6	5.5	72.3	310
TOTALS		100.0	100.0	97.9	88.3	77.4	63.4	47.2	27.1	7.3	66.6	2479

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

2739

MEMPHIS, TN

13-32

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.7	95.0	84.3	64.7	39.7	9.0	75.0	300
	02	100.0	100.0	100.0	99.7	96.3	88.7	71.0	44.0	13.0	77.6	300
	03	100.0	100.0	100.0	100.0	98.7	91.7	76.0	51.0	14.7	79.0	300
	04	100.0	100.0	100.0	97.3	89.3	72.3	49.0	31.7	9.0	70.3	300
	05	100.0	99.3	94.3	74.7	60.0	44.0	30.0	19.7	5.0	58.3	300
	06	100.0	98.7	88.7	66.3	49.7	36.3	26.3	15.0	4.0	54.2	300
	07	100.0	100.0	99.3	92.3	74.7	52.0	36.7	20.7	6.3	63.9	300
	08	100.0	100.0	99.7	98.0	91.0	75.3	52.3	32.3	6.3	71.4	300
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	99.9	97.7	91.0	81.0	68.1	50.8	31.8	8.3	62.7	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

73-39 MEMPHIS, TN

73-82

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	93.5	82.6	58.9	33.7	6.8	73.1	307
	02	100.0	100.0	100.0	99.7	96.4	87.7	68.0	41.4	15.0	75.8	309
	03	100.0	100.0	100.0	100.0	98.7	90.6	72.9	48.1	13.2	77.9	310
	04	100.0	100.0	100.0	100.0	95.6	82.3	59.0	32.6	12.9	73.8	310
	05	100.0	100.0	99.4	89.7	68.7	47.7	31.3	17.7	6.5	61.9	310
	06	100.0	99.7	95.8	80.3	59.7	40.6	27.1	14.5	4.8	57.7	310
	07	100.0	100.0	99.7	86.8	80.6	61.2	38.8	17.8	6.8	66.0	309
	08	100.0	100.0	100.0	99.7	91.5	73.0	52.1	30.0	9.5	71.3	307
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	TOTALS	100.0	100.0	99.4	95.8	85.6	70.7	51.0	29.5	8.7	69.7	2474

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

27039 MEMPHIS, TN

73-92

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.7	96.7	87.9	72.5	54.6	35.0	15.9	71.9	2490
FEB		100.0	100.0	98.8	93.2	83.1	69.3	49.2	29.4	10.0	69.0	2256
MAR		100.0	99.8	97.1	89.0	77.7	63.1	45.1	27.1	8.4	66.4	2480
APR		100.0	99.8	95.9	85.2	71.8	56.3	40.2	23.5	8.4	63.8	2400
MAY		100.0	100.0	97.4	90.5	80.9	66.4	49.8	31.4	6.8	68.0	2450
JUN		100.0	100.0	98.6	91.4	79.7	64.2	46.3	27.3	5.5	66.8	2400
JUL		100.0	100.0	99.8	96.2	85.6	69.6	50.4	30.6	7.9	69.6	2480
AUG		100.0	100.0	99.7	97.9	89.3	73.3	56.3	34.5	11.5	72.0	2480
SEP		100.0	99.9	99.3	96.0	87.6	74.7	58.7	38.3	12.5	72.5	2400
OCT		100.0	100.0	97.9	88.8	77.8	63.4	47.2	27.1	7.3	66.6	2479
NOV		100.0	99.9	97.7	91.0	81.8	68.1	50.4	31.8	8.3	68.7	2400
DEC		100.0	100.0	99.4	95.8	85.6	70.7	51.0	29.5	8.7	69.7	2474
TOTALS		100.0	99.9	98.4	92.6	82.3	67.5	50.0	30.5	9.3	68.8	29209

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

MEMPHIS, TN

JANUARY 1973-DECEMBER 1982

JANUARY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76					70.0	60.0	20.0			5	.2
67 TO 71				11.8	64.7	23.5				17	.7
62 TO 66	3.2		6.5	8.1	53.2	25.8	1.6	1.6		67	2.5
57 TO 61		1.9	5.7	10.4	44.3	19.8	5.7	7.5	4.7	136	4.3
52 TO 56	5.4	1.3	8.7	10.7	29.5	18.1	12.1	7.4	6.7	149	6.0
47 TO 51	9.4	6.1	6.6	16.0	19.8	13.2	13.2	9.0	6.6	212	8.5
42 TO 46	15.6	7.3	10.3	6.1	17.9	13.0	12.6	6.5	10.7	262	10.6
37 TO 41	16.2	11.6	13.6	7.6	10.3	5.6	8.9	12.3	13.9	302	12.2
32 TO 36	18.1	11.0	13.5	7.6	5.1	4.7	8.6	15.0	16.4	408	16.5
27 TO 31	25.8	14.8	10.6	6.4	5.6	4.2	7.3	12.6	12.6	357	14.4
22 TO 26	32.6	13.5	8.7	5.5	4.8	4.2	8.4	11.0	11.3	310	12.5
17 TO 21	25.0	15.7	9.3	5.2	1.7	4.1	9.3	18.6	11.0	172	6.9
12 TO 16	24.2	6.1	1.5	3.0	1.5	1.5	13.6	21.2	27.3	66	2.7
7 TO 11	50.0	7.1	7.1	3.6	3.6		17.9	10.7		28	1.1
2 TO 6	15.0	10.0	15.0			5.0	25.0	15.0	15.0	27	.8
-3 TO 1		50.0	25.0					25.0		4	.2
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LOW											
TOTALS	18.7	10.0	10.0	7.7	12.8	8.3	9.5	11.5	11.5	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

FEBRUARY

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					50.0	50.0				2	.1
72 TO 76	5.3			5.3	42.1	31.6	10.5		5.3	19	.8
67 TO 71	1.9			3.8	46.2	32.7	5.8	1.9	7.7	52	2.3
62 TO 66	1.8	2.6	.9	2.6	46.5	28.1	7.9	6.1	3.5	114	5.1
57 TO 61	1.3	3.2	5.7	11.5	33.1	23.6	11.5	5.7	4.5	157	7.0
52 TO 56	5.3	3.7	10.1	10.1	28.0	13.2	14.3	9.5	9.8	189	8.4
47 TO 51	12.3	4.1	11.2	11.6	19.0	11.2	11.6	8.7	9.9	242	10.7
42 TO 46	14.1	11.5	11.8	12.6	8.8	5.3	9.9	12.6	13.4	262	11.6
37 TO 41	20.6	10.3	10.3	10.6	7.1	7.1	7.8	14.5	11.7	282	12.5
32 TO 36	26.3	11.3	15.6	9.9	5.6	5.0	6.6	12.5	11.3	320	14.2
27 TO 31	25.5	10.3	12.8	9.0	3.1	2.8	6.9	17.2	12.4	290	12.9
22 TO 26	30.3	20.2	9.6	5.8	3.4	1.0	3.8	10.1	15.9	204	9.2
17 TO 21	27.9	25.6	10.5	4.7			2.3	10.5	18.6	86	3.8
12 TO 16	39.3	14.3	7.1	7.1				10.7	21.4	28	1.2
7 TO 11	50.0						20.0		20.0	5	.2
2 TO 6											
1 TO 1											
0 TO 0											
11 TO 15											
16 TO 20											
21 TO 25											
26 TO 30											
31 TO 35											
36 TO 40											
41 TO 45											
46 TO 50											
51 TO 55											
56 TO 60											
61 TO 65											
66 TO 70											
71 TO 75											
76 TO 80											
81 TO 85											
86 TO 90											
91 TO 95											
96 TO 100											
TOTALS	17.8	9.7	10.4	8.7	13.9	9.1	8.3	11.2	10.9	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

47879
STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1992

YEARS

MARCH

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86					50.0	25.0	12.5		12.5	4	.3
77 TO 81			5.7	2.9	42.9	29.7	11.4	11.4		35	1.4
72 TO 76	1.7	2.6	.9	7.8	53.4	22.4	6.9	1.7	2.6	116	4.7
67 TO 71	1.8	.9	4.0	11.1	44.4	26.7	6.2	2.2	2.7	225	9.1
62 TO 66	2.9	1.8	8.4	12.8	36.1	23.4	7.7	4.4	2.6	274	11.0
57 TO 61	7.3	4.2	10.9	20.2	25.7	10.3	9.7	6.9	4.8	331	13.3
52 TO 56	10.9	8.0	12.5	14.1	18.0	7.7	10.3	10.6	8.0	377	15.2
47 TO 51	16.6	7.2	21.4	9.9	11.4	4.8	7.8	12.7	8.1	332	13.4
42 TO 46	20.5	13.2	15.6	5.6	7.3	2.8	8.0	15.6	11.5	288	11.6
37 TO 41	19.5	14.2	13.0	7.3	3.7	.8	9.8	17.5	14.2	246	9.9
32 TO 36	27.7	18.7	12.7	3.6	1.2	1.2	3.6	15.1	16.3	166	6.7
27 TO 31	18.0	12.0	22.0	2.0	2.0			16.0	28.0	50	2.0
22 TO 26	40.0	26.7	6.7	6.7				13.3	6.7	15	.6
17 TO 21	62.5	6.3		6.3	18.8				6.3	16	.6
12 TO 16	100.0									1	.0
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -12											
-13 TO -17											
-18 TO -22											
-23 TO -27											
-28 TO -32											
-33 TO -37											
-38 TO -42											
-43 TO -47											
-48 TO -52											
-53 TO -57											
-58 TO -62											
TOTALS	12.8	7.8	12.1	10.7	20.4	10.2	8.0	10.1	8.1	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

63439
STATION

MEMPHIS, TN
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

APRIL
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				25.0	50.0			25.0		4	.2
82 TO 86	6.2		1.5	13.8	38.5	27.7	10.8		1.5	65	2.7
77 TO 81	1.3		5.8	9.1	19.0	29.2	11.0	1.9	2.6	154	6.4
72 TO 76	3.0	4.2	8.4	11.0	35.0	24.1	9.3	3.8	1.3	237	9.9
67 TO 71	5.3	6.7	8.1	9.5	37.9	17.8	7.2	3.1	4.5	359	15.0
62 TO 66	6.1	9.0	15.1	16.7	20.6	9.4	6.8	8.8	7.5	456	19.0
57 TO 61	9.4	14.7	14.7	12.8	13.1	4.7	7.8	10.8	11.9	360	15.0
52 TO 56	14.2	12.2	15.9	11.8	4.7	6.4	9.5	11.8	13.5	296	12.3
47 TO 51	13.1	16.0	15.6	4.5	3.7	3.3	7.0	18.4	18.4	244	10.2
42 TO 46	14.1	14.1	15.6	5.2	1.5	.7	8.9	13.3	26.7	135	5.6
37 TO 41	7.2	7.2	13.0	2.9	1.4	5.8	21.7	10.1	30.4	69	2.9
32 TO 36	19.0	14.3					4.8	14.3	47.6	21	.9
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-47 TO -44											
-52 TO -49											
-58 TO -54											
-59 & LGR											
TOTALS	6.2	9.6	12.3	10.9	19.7	11.5	6.5	8.8	10.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		12.5	25.0	12.5	12.5		25.0	12.5			.3
87 TO 91	3.4	2.3	9.2	9.2	37.9	19.5	8.0	3.4	6.9	87	3.3
82 TO 86	4.3	5.8	4.8	11.5	41.3	15.9	9.1	3.4	3.0	208	8.4
77 TO 81	4.4	5.3	13.4	14.6	22.1	19.3	9.7	6.2	5.0	321	12.9
72 TO 76	7.4	8.8	14.2	14.9	22.5	10.6	7.4	4.3	9.9	444	17.9
67 TO 71	12.3	10.8	18.3	14.7	16.4	6.7	4.9	3.9	11.9	536	21.6
62 TO 66	11.0	12.7	16.5	13.1	11.5	5.4	5.2	6.3	16.2	426	17.2
57 TO 61	14.3	15.9	20.9	8.5	6.2	2.7	5.0	5.0	21.3	258	10.4
52 TO 56	13.8	15.4	16.9	4.6	2.3	4.6	5.4	7.7	29.2	130	5.2
47 TO 51	19.2	13.5	13.5	3.8		1.9	11.5	5.8	30.8	52	2.1
42 TO 46	22.2	22.2	11.1	11.1					33.3	9	.4
37 TO 41									100.0	1	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.6	10.2	15.6	12.6	18.0	9.4	6.7	5.0	12.9	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

MEMPHIS, TN

JANUARY 1973-DECEMBER 1982

JUNE

STATION NAME

YEARS

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	22.2			22.2	11.1	11.1	22.2	11.1		9	.4
92 TO 96	5.6	2.2	5.6	6.7	28.1	29.2	16.9	3.4	2.2	89	3.7
87 TO 91	3.7	5.1	7.5	10.8	25.4	28.1	13.9	4.1	1.4	295	12.3
82 TO 86	6.2	3.6	10.0	11.1	25.1	21.3	14.0	3.3	5.5	422	17.6
77 TO 81	7.2	9.1	11.0	10.8	24.8	14.3	8.1	5.6	9.1	483	20.1
72 TO 76	8.4	9.8	12.6	17.2	19.9	10.3	4.6	3.8	13.2	522	21.8
67 TO 71	14.9	13.3	13.9	8.8	10.1	6.1	3.5	7.2	22.1	375	15.6
62 TO 66	20.6	10.0	11.9	10.0	2.5		2.5	7.5	35.0	167	6.7
57 TO 61	34.1	9.1	4.5					6.8	45.5	44	1.8
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.5	8.2	17.9	11.6	19.7	14.4	8.2	5.0	12.5	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

07479
STATION

MEMPHIS, TN
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JULY
MONTH

HOURS - U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					28.6	28.6	28.6	14.2		7	.3
97 TO 101	4.3	5.8	4.3		8.7	31.9	39.1	4.3	1.4	69	2.8
92 TO 96	7.0	5.4	7.4	8.3	13.6	27.7	20.7	7.0	2.5	242	9.8
87 TO 91	6.5	9.8	8.9	7.7	17.3	18.0	17.3	8.9	5.8	417	16.8
82 TO 86	7.6	9.4	9.8	10.0	19.4	17.7	9.0	7.0	10.0	458	18.5
77 TO 81	5.3	9.3	12.7	16.4	17.3	10.6	4.0	3.3	19.2	568	22.9
72 TO 76	6.1	8.5	16.9	12.4	15.5	9.2	2.7	1.6	27.0	555	22.4
67 TO 71	11.0	14.2	14.2	7.9	7.9	1.6	2.6	4.7	36.2	127	5.1
62 TO 66	26.7	6.7	10.0	3.3				3.3	50.0	30	1.2
57 TO 61	14.3								85.7	7	.3
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 R. (WR)											
TOTALS	6.8	9.0	11.7	10.9	16.0	14.5	9.8	5.0	16.3	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

47519
STATION

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

AUGUST

MONTH

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	4.3	4.3			4.3	8.7	52.2	17.4	8.7	23	.9
92 TO 96	7.1	4.4	3.5	2.7	19.5	31.0	23.0	6.2	2.7	113	4.6
87 TO 91	8.7	7.0	9.3	8.7	16.8	23.6	16.9	4.2	5.1	356	14.4
82 TO 86	12.7	10.0	9.8	12.8	17.0	15.2	11.3	4.5	7.0	441	17.8
77 TO 81	12.0	9.8	13.0	16.9	18.3	9.8	3.9	2.9	13.4	509	20.5
72 TO 76	8.6	9.9	15.4	16.5	14.7	6.0	1.8	2.1	25.0	605	24.4
67 TO 71	16.9	12.7	21.1	9.6	3.9	2.7	1.8	.6	30.7	332	13.4
62 TO 66	13.9	22.8	12.7	3.8				3.8	43.0	79	3.2
57 TO 61		38.9	16.7	11.1					33.3	18	.7
52 TO 56	25.0								75.0	4	.2
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.2	10.2	13.0	12.6	14.2	11.4	7.5	3.2	16.9	2485	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION
97839

MEMPHIS, TN

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	14.3		14.3	14.3	14.3	28.6	14.3			7	.3
92 TO 96	10.0	10.0	22.5	7.5	12.5	15.0	12.5	2.5	7.5	40	1.7
87 TO 91	13.6	10.4	7.2	5.6	18.4	20.0	12.0	6.4	6.4	125	5.2
82 TO 86	15.2	11.2	10.0	10.8	15.6	14.8	6.0	4.8	11.6	250	10.4
77 TO 81	15.7	13.7	14.6	12.3	14.8	10.9	5.0	2.5	10.4	357	14.9
72 TO 76	12.4	11.1	17.8	13.4	15.9	6.3	2.7	3.6	16.8	523	21.8
67 TO 71	20.4	11.9	16.6	10.1	8.3	3.1	1.1	5.4	22.9	445	18.5
62 TO 66	23.2	17.5	19.9	6.7	2.0	.7	1.0	5.7	23.2	297	12.4
57 TO 61	27.4	16.5	14.6	2.4	1.4	.5		6.6	30.7	212	8.8
52 TO 56	33.3	11.1	7.8					16.7	31.1	90	3.8
47 TO 51	10.5	23.7	5.3	2.6	2.6		2.6	2.6	50.0	39	1.6
42 TO 46			7.7	7.7				30.8	53.8	13	.5
37 TO 41									100.0	3	.1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.0	13.0	15.1	9.3	10.5	6.6	3.2	5.2	19.1	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

23839

MEMPHIS, TN

JANUARY 1973-DECEMBER 1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		5.9		5.9	23.5	29.4	23.5	11.8		17	.7
82 TO 86	2.9		8.6	4.3	32.9	34.3	5.7	4.3	7.1	70	2.8
77 TO 81	2.2	3.7	5.2	14.8	30.4	25.2	10.4	4.4	3.7	135	5.4
72 TO 76	2.4	5.1	6.7	27.9	33.6	13.4	7.9	4.0	5.9	253	10.2
67 TO 71	10.1	5.4	13.3	18.4	20.9	10.8	4.7	5.1	11.4	316	12.7
62 TO 66	12.7	8.0	13.4	15.3	16.5	7.3	5.0	5.0	16.7	424	17.1
57 TO 61	17.6	9.3	15.7	11.8	9.6	4.7	5.5	7.7	18.1	364	14.7
52 TO 56	24.1	9.4	12.9	11.5	5.6	3.8	4.1	6.8	21.8	340	13.7
47 TO 51	23.3	11.3	12.4	6.8	3.0	1.5	5.3	9.8	26.7	266	10.7
42 TO 46	21.8	6.9	10.9	6.9	1.1	1.1	1.7	9.8	39.7	174	7.0
37 TO 41	20.4	8.6	5.4	2.2		2.2	2.2	4.3	54.8	93	3.8
32 TO 36	8.7	17.4	4.3	4.3			4.3	4.3	56.5	23	.9
27 TO 31	25.0		25.0						50.0	4	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.7	7.7	11.7	12.7	14.2	8.1	5.3	6.3	19.3	2474	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION
77519

MEMPHIS, TN

STATION NAME

YEARS
JANUARY 1973-DECEMBER 1982

MONTH
NOVEMBER

NO. OF

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	5.0				50.0	25.0	5.0		15.0	20	.9
72 TO 76		3.9	1.3	7.9	52.6	27.6			6.6	76	3.2
67 TO 71	3.8	3.2	6.5	14.3	41.9	17.2	3.2	4.3	5.9	186	7.8
62 TO 66	3.3	4.7	9.7	21.4	31.1	11.4	7.0	5.4	6.0	299	12.5
57 TO 61	8.4	7.3	9.9	15.4	21.6	11.0	6.2	8.8	11.4	273	11.4
52 TO 56	12.6	5.8	9.2	15.4	15.4	10.6	8.5	13.3	9.2	293	12.2
47 TO 51	20.0	12.3	12.6	9.7	6.3	6.9	8.6	9.4	14.3	350	14.6
42 TO 46	19.6	16.3	11.9	5.9	4.7	4.5	6.8	9.8	20.5	337	14.0
37 TO 41	19.7	14.8	10.6	6.1	4.9	3.4	9.5	10.2	20.8	264	11.0
32 TO 36	18.6	15.3	7.1	10.4	2.7	3.3	9.3	10.9	22.4	183	7.6
27 TO 31	18.8	7.1	11.8	9.4		1.2	8.2	9.4	34.1	85	3.5
22 TO 26	37.0	7.4		3.7	3.7	7.4	11.1		29.6	27	1.1
17 TO 21	14.3			28.6		14.3		28.6	14.3	7	.3
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	13.6	9.7	9.6	11.8	15.9	8.8	7.3	8.8	14.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 97839

MEMPHIS, TN

JANUARY 1973-DECEMBER 1982

DECEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81				33.3	66.7					7	.1
72 TO 76				46.7	53.3					15	.6
67 TO 71				15.6	64.4	17.8	2.2			45	1.8
62 TO 66	2.7		5.5	18.2	51.8	18.2			3.6	110	4.4
57 TO 61	3.2		5.1	15.3	38.9	19.7	10.2	3.9	3.2	157	6.3
52 TO 56	5.2	1.7	5.6	14.7	31.9	22.9	9.1	4.3	4.7	232	9.4
47 TO 51	9.1	5.9	6.5	20.5	23.5	11.7	9.8	9.1	3.9	307	12.4
42 TO 46	15.5	7.1	7.6	9.9	17.3	8.9	12.2	13.2	8.4	394	15.9
37 TO 41	20.3	7.6	14.8	6.5	11.3	6.2	9.0	13.9	10.4	433	17.5
32 TO 36	21.7	10.0	12.2	7.5	6.7	6.7	3.3	11.4	20.6	360	14.6
27 TO 31	27.1	10.2	11.6	9.8	5.3	3.6	3.6	9.3	19.6	225	9.1
22 TO 26	29.1	9.4	6.8	6.9	5.1	1.7	4.3	9.4	27.4	117	4.7
17 TO 21	37.0	7.4	9.3	9.3	7.4	3.7	3.7	5.6	16.7	54	2.2
12 TO 16	52.6	5.3	5.3		5.3			15.8	15.8	19	.8
7 TO 11	50.0	50.0								2	.1
2 TO 6	100.0									1	.0
-3 TO 1											
-6 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	16.2	6.5	9.1	11.5	18.9	9.9	7.4	9.3	11.0	2474	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION 07639

MEMPHIS, TN

JANUARY 1973-DECEMBER 1982

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					25.6	28.6	28.6	14.3		7	.0
97 TO 101	6.8	4.6	3.7	2.8	9.3	25.0	38.9	7.4	2.8	103	.4
92 TO 96	6.9	5.3	7.7	6.7	17.5	27.2	19.9	5.9	2.8	492	1.7
87 TO 91	6.8	7.5	8.4	8.6	20.6	22.2	15.3	6.0	4.6	1301	4.5
82 TO 86	8.8	7.4	8.9	11.0	23.3	18.3	10.2	4.6	7.5	1922	6.6
77 TO 81	7.8	8.4	11.8	13.8	21.8	14.5	6.9	4.0	11.1	2587	8.9
72 TO 76	7.2	8.4	13.3	14.7	22.2	10.9	4.5	3.8	15.7	3370	11.5
67 TO 71	11.5	9.0	13.4	11.7	20.9	10.0	3.9	4.0	15.6	3215	10.3
62 TO 66	10.1	8.8	13.1	13.3	20.4	9.7	4.9	5.7	14.0	2731	9.4
57 TO 61	11.5	9.4	12.5	12.2	17.7	8.5	6.6	7.3	14.2	2287	7.8
52 TO 56	13.4	7.5	11.4	11.8	15.2	9.7	8.5	9.6	13.0	2100	7.2
47 TO 51	15.3	9.4	12.5	11.0	11.6	7.7	8.8	10.7	13.6	2043	7.0
42 TO 46	17.2	10.9	11.5	7.7	9.6	5.8	9.0	11.7	16.7	1874	6.4
37 TO 41	18.8	10.9	12.3	7.3	7.3	4.8	9.1	12.9	16.9	1693	5.8
32 TO 36	21.7	12.4	12.4	7.0	4.7	4.5	6.3	12.9	18.1	1441	5.1
27 TO 31	25.0	11.7	12.2	7.9	4.2	3.2	6.0	13.1	16.8	1011	3.5
22 TO 26	31.6	14.9	8.3	5.8	4.3	2.8	6.2	10.0	16.1	677	2.3
17 TO 21	29.3	16.1	9.0	6.3	3.0	3.0	6.0	13.7	13.7	335	1.1
12 TO 16	13.3	7.9	3.5	3.5	1.8	.9	7.9	17.5	23.7	114	.4
7 TO 11	11.4	8.6	5.7	2.9	2.9		17.1	8.6	2.9	35	.1
2 TO 6	19.0	9.5	14.3			4.8	23.8	14.3	14.3	21	.1
1 TO 1		50.0	25.0					25.0		4	.0
0 TO 0											
12 TO -8											
16 TO -14											
21 TO -19											
26 TO -24											
31 TO -29											
36 TO -34											
41 TO -39											
46 TO -44											
51 TO -49											
56 TO -54											
61 TO -59											
TOTALS	13.1	9.3	11.8	10.9	16.2	10.2	7.5	7.4	13.6	29206	100.0

NAVWEASERVCOM

NCOB, Federal Building
Asheville, N. C.

PART F

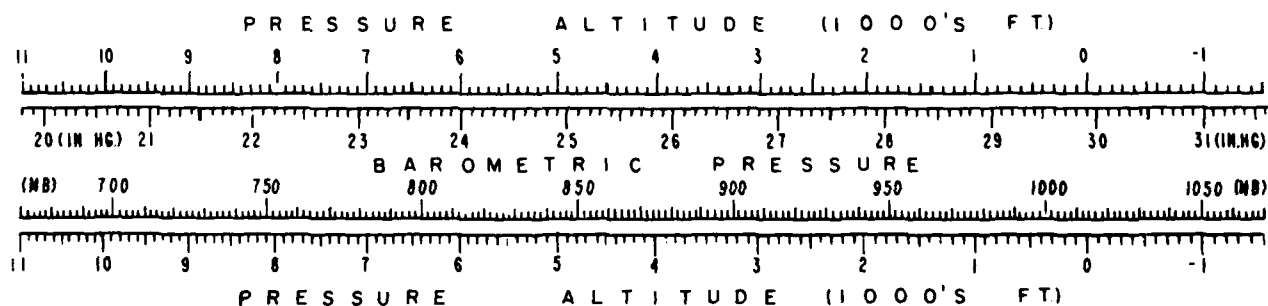
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

STATION 97239 MEMPHIS, TN

73-82

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
00	MEAN S. D. TOTAL OBS	1021.2 1020.4 1016.1 1016.3 1013.9 1015.1 1015.9 1016.8 1016.9 1019.0 1019.9 1020.3 1017.6 7.932 7.967 7.062 5.864 4.475 3.639 2.521 2.537 3.781 4.904 6.000 7.866 6.144 310 282 310 300 310 300 310 310 300 310 300 309 3651
02	MEAN S. D. TOTAL OBS	1021.3 1020.2 1015.8 1016.1 1013.6 1015.0 1015.6 1016.4 1016.7 1018.9 1019.8 1020.2 1017.5 7.991 8.006 7.175 5.974 4.637 3.663 2.612 2.571 3.813 5.032 6.090 7.835 6.240 310 282 310 300 310 300 310 310 300 310 300 309 3651
04	MEAN S. D. TOTAL OBS	1021.5 1020.7 1016.6 1017.1 1014.6 1016.0 1016.6 1017.6 1017.6 1019.9 1020.5 1020.6 1018.3 8.101 8.054 7.211 6.165 4.804 3.736 2.677 2.590 3.890 5.168 6.165 7.824 6.225 310 282 310 300 310 300 310 310 300 309 300 310 3651
06	MEAN S. D. TOTAL OBS	1022.8 1021.9 1017.8 1018.0 1015.3 1016.7 1017.3 1018.3 1018.5 1020.8 1021.6 1021.7 1019.2 8.263 8.199 7.280 6.207 4.847 3.721 2.658 2.610 3.859 5.273 6.320 7.881 6.357 310 282 310 300 310 300 310 310 300 310 300 310 3652
08	MEAN S. D. TOTAL OBS	1021.9 1021.5 1017.2 1017.4 1014.8 1016.2 1016.8 1017.8 1017.8 1019.8 1020.4 1020.7 1018.5 8.347 8.100 7.190 6.082 4.657 3.616 2.611 2.514 3.828 5.135 6.395 7.817 6.247 310 282 310 300 310 300 310 310 300 310 300 310 3652
10	MEAN S. D. TOTAL OBS	1020.5 1019.6 1015.3 1015.8 1013.4 1014.8 1015.2 1016.1 1016.1 1018.2 1018.9 1019.3 1016.9 8.336 7.998 7.073 6.024 4.436 3.540 2.655 2.545 3.817 4.967 6.374 7.792 6.187 310 282 310 300 310 300 310 310 300 310 300 310 3652
12	MEAN S. D. TOTAL OBS	1021.0 1019.8 1015.2 1015.4 1012.8 1014.1 1014.7 1015.7 1016.0 1018.4 1019.4 1019.8 1016.8 8.164 7.900 7.054 5.912 4.347 3.511 2.644 2.527 3.821 4.867 6.262 7.845 6.272 310 282 310 300 310 300 310 310 300 310 300 309 3651
14	MEAN S. D. TOTAL OBS	1021.4 1020.4 1016.0 1016.3 1013.8 1015.0 1015.7 1016.8 1017.0 1019.2 1019.9 1020.3 1017.6 8.118 7.807 7.063 5.875 4.359 3.596 2.522 2.502 3.792 4.853 6.211 7.721 6.167 310 282 310 300 310 300 310 310 300 310 300 307 3649
ALL HOURS	MEAN S. D. TOTAL OBS	1021.5 1020.6 1016.2 1016.6 1014.0 1015.4 1016.0 1017.0 1017.1 1019.3 1020.0 1020.4 1017.8 8.172 8.027 7.179 6.062 4.631 3.710 2.731 2.676 3.902 5.084 6.266 7.840 6.275 2480 2256 2480 2400 2480 2400 2480 2480 2400 2479 2400 2474 29209

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION 57379 MEMPHIS, TN

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
07	MEAN	29.827	29.805	29.683	29.694	29.626	29.664	29.688	29.715	29.715	29.773	29.795	29.802	29.732	
	S. D.	.228	.228	.203	.169	.130	.108	.074	.076	.108	.140	.172	.228	.176	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
08	MEAN	29.830	29.799	29.674	29.688	29.617	29.661	29.678	29.707	29.710	29.771	29.792	29.802	29.727	
	S. D.	.230	.229	.205	.172	.135	.108	.076	.076	.109	.144	.175	.227	.179	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
09	MEAN	29.835	29.814	29.699	29.716	29.647	29.689	29.708	29.735	29.735	29.796	29.809	29.810	29.749	
	S. D.	.230	.231	.208	.178	.140	.111	.074	.077	.111	.148	.178	.226	.178	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651	
10	MEAN	29.874	29.849	29.733	29.743	29.668	29.710	29.729	29.757	29.760	29.825	29.843	29.844	29.778	
	S. D.	.238	.235	.210	.179	.141	.110	.078	.078	.111	.152	.181	.228	.142	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
11	MEAN	29.849	29.836	29.717	29.726	29.653	29.696	29.715	29.742	29.740	29.796	29.811	29.816	29.758	
	S. D.	.240	.232	.207	.176	.136	.107	.076	.075	.110	.148	.185	.226	.179	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
12	MEAN	29.806	29.782	29.661	29.678	29.611	29.653	29.669	29.693	29.691	29.748	29.763	29.775	29.711	
	S. D.	.240	.229	.204	.174	.129	.105	.078	.075	.110	.143	.184	.225	.178	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	29.819	29.787	29.658	29.665	29.595	29.635	29.654	29.640	29.647	29.753	29.778	29.787	29.708	
	S. D.	.235	.225	.202	.170	.126	.104	.077	.075	.110	.140	.181	.227	.180	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	309	3650	
21	MEAN	29.812	29.804	29.640	29.693	29.623	29.661	29.683	29.715	29.718	29.777	29.794	29.803	29.731	
	S. D.	.233	.223	.203	.170	.127	.106	.074	.074	.109	.140	.179	.223	.177	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649	
ALL HOURS	MEAN	29.834	29.809	29.688	29.700	29.630	29.671	29.691	29.718	29.720	29.780	29.798	29.805	29.737	
	S. D.	.235	.230	.207	.175	.135	.110	.080	.079	.112	.146	.181	.227	.180	
	TOTAL OBS	2440	2256	2480	2400	2480	2400	2480	2480	2400	2479	2399	2474	29228	

NAVWEASERVCOM

END

DATE

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7-85